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MEDICAL RESOURCE PLANNING: THE NEED TO USE
A STANDARDIZED DIAGNOSTIC SYSTEM

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Summary

Problem

Medical readiness is an integral component of wartime planning. Projection of the anticipated battle injuries and diseases within a theater of operations will allow prepositioning of medical resources.

Objective

DEPMEDS is a Department of Defense initiative designed to project the medical requirements for an operational scenario and package the needed supplies in modular assemblages. The DEPMEDS system is based on 348 Patient Conditions expected to encompass the injuries and diseases likely to be present which require a quantifiable allocation of medical resources. The object of the present study is to determine which hospital admissions do not readily convert to Patient Conditions.

Approach

The Marine Corps Inpatient Medical Data file maintained by the Naval Health Research Center was the source of an extract of inpatient records during the Vietnam conflict. The hospitalization diagnoses which did not readily convert to Patient Condition (PC) Codes were examined and an alternative system encompassing all admissions was investigated.

Results

The multiplicity and specificity of Patient Condition components did not generally conform to the diagnoses system currently in use at Navy inpatient facilities. Some PC criteria could be accommodated using similar yet inexact matches to International Classification of Diseases (ICD-9) diagnoses; other PC criteria were wholly unascertainable. Further, some ICD-9 diagnoses are unaccounted for using the PC system. A system based on ICD-9 classifications and encompassing all admissions was proposed.

Conclusions

Any system projecting the medical requirements of an operational scenario must include all injuries and diseases expected to be incurred. Presently, Navy treatment facilities use the ICD-9 coding schema and battle injury and disease projections should be tied to this format.

MEDICAL RESOURCE PLANNING: THE NEED TO USE
A STANDARDIZED DIAGNOSTIC SYSTEM

Programming the medical requirements for a military operation necessitates accurate projections of the battle injuries and diseases expected to be incurred. Military planners are best able to estimate the needed supplies, equipment, and medical personnel if reliable rates of casualty and disease can be predicted. The critical nature of medical preparedness is underscored in several articles detailing the need for combat-ready surgeons and facilities^{1,2,3}.

The Department of Defense has undertaken a quad-service initiative designed to project, and make readily deployable, the equipment and supplies needed to establish treatment facilities within operational theaters. Deployable Medical Systems (DEPMEDS) is a modular system which determines the medical resources needed based on the expected injuries and illnesses⁴. The required supplies are projected from algorithms which allocate resources according to the anticipated frequencies of occurrence within a set of Patient Conditions (PCs)⁵. The PCs, currently numbering in excess of three hundred, and the necessary medical resources are derived from input by all service branches.

A recent investigation retrospectively determined the frequencies of Patient Conditions among U.S. Marines serving in Vietnam⁶. This study indicated that there were 51,976 battle injury hospitalizations and 108,956 inpatient admissions for Disease and Non-Battle Injury (DNBI) causes. Patient condition codes accounted for seventy three percent of the battle injuries and sixty-three percent of the DNBI hospitalizations. The current investigation seeks to: 1) determine which PC criteria do not readily map to the diagnostic coding system used in Navy inpatient treatment facilities; 2) specify which hospitalizations are not accounted for by the Patient Condition system, and 3) recommend a schemata that will differentiate among injuries and diseases yet account for all hospitalizations.

Patient Conditions

The set of Patient Conditions presently under consideration by the Defense Medical Standardization Board comprises 348 injuries and illnesses

likely to present themselves in a theater of operations. The injuries include both combat-induced wounds and non-battle related trauma. Table 1 is a listing of descriptions for the 348 patient conditions. A few PC numbers have been intentionally left blank so that as new disorders arise this system may more easily accommodate them. It can readily be seen from this list that many of the patient conditions are composed of multiple criteria. Likewise, it is also apparent that some PCs are very specific in their descriptions of battle traumas. Both the multiplicity and specificity of patient condition components are typified by PC's 1 and 60: PC 1 is "multiple fragment wound brain, multiple fragment wound chest, sucking chest wound, and pneumothorax, and, PC 60 is "multiple fragment wound brain, multiple fragment wound abdomen, shock, and penetrating perforating wound liver." Undoubtedly, projection of very specific cases of trauma allows for the greatest precision in determining needed medical resources. However, the trade-off for such a high degree of detail is that some wounds will not meet the criteria for any one of the patient conditions.

Furthermore, it should be noted that the PC coding schema is quite different than the diagnostic nomenclature in use at Naval Medical facilities. The diagnoses system used at Navy inpatient centers is the International Classification of Diseases, Ninth Revision (ICD-9). For a hospitalization to meet all the criteria of a detailed patient condition it would require multiple diagnoses to have been assigned. This requirement is borne out by Table 2 which delineates which PC components are accommodated by the ICD-9 nomenclature and the numerical diagnoses that correspond to the components. Patient Condition 11, for instance, requires "Multiple Fragment Wound Chest," "Pneumothorax," and "Wound Spleen open"; therefore, a patient must have three ICD-9 diagnoses to be classified into this PC.

Non-Determinable PC Criteria

In addition to there being many traumas within the PC coding system that require multiple diagnoses, a number of injuries and illnesses specify criteria without ICD-9 equivalents. Some of these PCs have components with similar but not exact ICD-9 parallels, while other PC elements are completely outside the scope of the ICD-9 diagnostic system.

Examples of PC criteria with similar but not exact ICD-9 equivalents are found in PC 24 and PC 25 which call for "soft tissue injury to upper

limbs resulting from fragments" and "multiple nonperforating fragment wounds of skin and soft tissue." The investigation of patient conditions among Marines in Vietnam used the ICD-9 diagnoses "MFW, open wound shoulder/arm," and "MFW superficial injury", respectively as the parallel components. There were numerous instances of similar yet inexact translations from PC component to ICD-9 diagnosis. As in the aforementioned examples, some translation discrepancies are in terminology only. In these cases the ICD-9 description and the patient condition are essentially the same and the treatment resources would not be expected to differ.

Among other patient conditions, however, the mapping to ICD-9 diagnoses was far less precise. By illustration, the difference between PC 75 and PC 76 is that the former stipulates the open wound to the forearm is "severe, requiring major debridement," and PC 76 is "moderate, not requiring major debridement,;" because ICD-9 diagnoses do not indicate severity or treatments, the closest conversions are "with complications" and "without complications." In these instances, it is uncertain whether the resources required for a given patient condition and its concomitant ICD-9 translation would indeed be the same.

Finally, there are numerous PC criteria that simply have no corresponding ICD-9 codes. Some of these are due to patient condition criteria actually being symptoms (PC 34 includes "without focal neurological deficit", for example), which are generally not found in the ICD-9 system. Other PC components not translatable to ICD-9 codes are due to the degree of detail accorded the PCs (patient condition 69 calls for an open wound of arm that is "penetrating, lacerated" while ICD-9 simply indicates whether the wound is "open" or not). These two types of discrepancies should not bear too greatly on the resources required. However, some PC criteria without equivalents could have a significant effect on the medical supplies or equipment needed. This category would include PC 95 for example, defined as "injury lung closed with pneumothorax," which has an ICD-9 parallel, but also states "one lung with pulmonary contusion and acute, severe respiratory distress", which is outside the scope of the ICD-9 description. Complications of traumas such as this would be expected to influence the resources needed to treat the basic condition.

The patient condition criteria not discernible by ICD-9 diagnoses are displayed in Table 3. This listing includes those components which have no ICD-9 equivalencies as well as those with less than exact translations.

ICD-9 Diagnoses Not Converted to Patient Conditions

In addition to there being Patient Conditions that received less than a full accounting in the conversion process, many ICD-9 diagnoses did not map to any of the PCs. While it is the goal of the DEPMEDS project to include only those conditions likely to be present and which require a quantifiable allocation of resources to treat, there were a substantial number of disorders that would be allocated no resources whatsoever with the PC system. Specifically, in the aforementioned Vietnam study there were 13,796 battle traumas as well as 40,077 DNBI hospitalizations among Marines that did not convert to patient condition codes.

The battle injury diagnoses that did not translate to PCs were of two main types: 1) injuries that were multiple and or ill-defined such as "open wounds lower limbs, both multiple" and "fracture of lower limbs/lower with upper limb", and 2) wounds that did not meet the specific criteria within a Patient Condition—the PC system accommodates "fracture tibia and fibula, closed" yet there is no PC that accounts for "fracture tibia and fibula, open". Among the diseases not accounted for, most simply did not fit into any of the patient conditions. Table 4 indicates the combat traumas and corresponding frequencies not tallied among the PCs while Table 5 is a similar listing for diseases and non-battle injuries.

ICD-9 Based Categories

As long as military treatment facilities record hospital admissions as ICD-9 diagnoses there cannot be a direct correspondence to a medical resource allocation system based on a different coding schema. This lack of compatibility can only be remedied by basing the supplies, equipment, and medical personnel needed on the diagnostic system actually used at treatment facilities.

It is not possible to have a disorder category for every combination of diagnoses that might occur. For instance, a casualty might receive diagnoses of a fractured arm, open wound shoulder, injury nerves of arm, and dislocation elbow; to have a resource allocation system based on such a level of detail would require many thousands of potential conditions. Therefore, some traumas must be categorized sacrificing some detail. A

workable system might base needed resources on the primary wounds of hospital admissions with supplies augmented for secondary conditions.

A medical disorder system is proposed which funnels all individual ICD-9 diagnoses into categories of trauma and diseases. This system, 98 categories of battle injuries and 216 DNBI categories, incorporates all primary disorders found in the PC system. Tables 6 and 7 indicate the ICD-9 diagnoses that comprise each diagnostic category. Table 8 is a display of the frequency and percent of total battle injuries accounted for by each combat trauma category among U.S. Marines in Vietnam. The rate of occurrence per 1000 men per day of each battle injury is also shown in Table 8, while Table 9 indicates the frequencies and percentages of secondary battle injury diagnoses. Frequencies, percentages, and rates for the DNBI categories are similarly seen in Tables 10 and 11.

Discussion

Medical resource needs projection is an integral component of the planning for any operational scenario. With insufficient equipment, supplies, and/or medical personnel there would be a higher DOW (Died of Wounds) rate, a greater likelihood that some injuries would be permanently disabling, and less immediate returns to duty among those personnel with diseases and minor injuries.

The concept of projecting medical resource allocations from predicted rates of injuries and disease is a sound one. Accurate battle injury and disease prediction may be best accomplished by using a comparable battle scenario from the past to estimate the medical needs for a future operation.

The system currently in place to record hospital admissions among Navy and Marine Corps personnel uses the International Classification of Diseases - Ninth Revision (ICD-9). More than twelve thousand individual diagnoses exist and a hospitalization record may include as many secondary diagnoses as necessary. As such, there is a virtually limitless number of potential diagnosis combinations that might occur. Consequently, projections of medical resources should be tied to a finite number of primary diagnoses rather than a set of multi-criteria conditions which would allow some hospitalizations to remain unquantified. Use of primary diagnoses, ensures that all possible hospitalizations are considered. With this type of system those admissions which do not require a quantifiable amount of supplies to be allocated may be factored into the resource

algorithms accordingly while at the same time the needed bed space would not be overlooked. Resource projections based on primary diagnoses would require that supplies be supplemented in accordance with the types and numbers of secondary diagnoses anticipated. The International Classification of Diseases system is an accepted standard and is unlikely to be replaced in the near future. While the ICD-9 nomenclature does not include the severity ratings and explicitness of many of the PCs, it is far more comprehensive and should be used in the determination of medical resource allocations.

Current efforts underway at the Naval Health Research Center attempt to determine casualty rates for various operational scenarios. Knowledge of injury and disease rates of past conflicts will enable medical planners to more accurately project rates for future operations.

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TABLE 1. PATIENT CONDITION CODES AND DESCRIPTIONS

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
001	MFW brain and chest with sucking chest wound and pneumothorax
002	MFW brain and abdomen with penetrating, perforating wound, colon
003	MFW brain and abdomen with penetrating, perforating wound, kidney
004	MFW brain and abdomen with penetrating, perforating wound, bladder
005	MFW brain and abdomen with shock and penetrating, perforating wound, spleen
006	MFW brain and abdomen with shock and penetrating, perforating wound, liver
007	MFW brain and lower limbs requiring bilateral above knee amputations
008	MFW chest with pneumothorax and abdomen with penetrating wound, colon
009	MFW chest with pneumothorax and abdomen with penetrating, perforating wound, kidney
010	MFW chest with pneumothorax and abdomen with penetrating, perforating wound, bladder
011	MFW chest with pneumothorax and abdomen with penetrating, perforating wound, spleen
012	MFW chest with pneumothorax and abdomen with penetrating, perforating wound, liver
013	MFW chest with pneumothorax and limbs with fracture and vascular injury
014	MFW abdomen with penetrating, perforating wound of colon and bladder
015	MFW abdomen with penetrating, perforating wound of colon and spleen
016	MFW abdomen with penetrating, perforating wound of colon and liver
017	MFW abdomen and limbs with penetrating, perforating wound of colon and open fracture and neurovascular injury of salvageable lower limb

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
018	MFW abdomen and pelvis with penetrating, perforating wound of liver and kidney
019	MFW abdomen and pelvis with penetrating, perforating wounds of spleen and bladder
020	MFW abdomen, pelvis, limbs, with fracture and neurovascular injury, limb salvageable, and penetrating wound, kidney
021	MFW abdomen, pelvis, limbs, without fracture or neurovascular injury, and penetrating, perforating wound, bladder
022	MFW abdomen and lower limbs, with fracture and nerve injury, with penetrating wound of spleen
023	MFW abdomen and limbs, without fracture or nerve injury, with penetrating wound of liver
024	MFW chest with pneumothorax, soft tissue injury to upper limbs, and penetrating wound of brain
025	MFW chest with pneumothorax, soft tissue injury to upper limbs, and abdomen, with wound of colon
026	MFW chest with pneumothorax, pelvis and abdomen, with wound of colon and bladder
027	MFW abdomen and chest with multiple organ damage
028	Multiple, nonperforating fragment wounds of skin and soft tissue
029	
030	
031	Cerebral concussion, closed, with/without nondepressed linear skull fracture severe - loss of consciousness from 2 - 12 hours
032	Cerebral concussion, closed, with/without nondepressed linear skull fracture moderate - loss of consciousness less than 2
033	Cerebral contusion, closed, with/without nondepressed linear skull fracture severe - loss of consciousness greater than 24 hours, with focal neurological deficit

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
034	Cerebral contusion, closed, with/without nondepressed linear skull fracture moderate - loss of consciousness from 12 - 24 hours, without focal neurological deficit
035	Cerebral contusion, closed, with intracranial hematoma, with/without nondepressed linear skull fracture severe - large hematoma (including epidural hematoma) with rapidly deteriorating comatose patient
036	Cerebral contusion, closed, with/without nondepressed linear skull fracture severe - loss of consciousness greater than 24 hours, with/without focal neurological deficit
037	Cerebral contusion, closed, with depressed skull fracture severe - with associated intracerebral hematoma and/or massive depression
038	Cerebral contusion, closed, with depressed skull fracture moderate - no associated hematoma or significant effect from depression
039	Cerebral contusion with open skull fracture severe - with intracranial fragments and/or depressed skull fracture
040	Cerebral contusion with open skull fracture moderate - without intracranial fragments and/or depressed skull fracture
041	Wound, scalp, open without cerebral injury or skull fracture severe - scalped with avulsion of tissue
042	Wound, scalp, open without cerebral injury or skull fracture moderate - scalp laceration
043	Fracture, facial bones, closed, exclusive of mandible, severe - multiple fractures
044	Fracture, facial bones, closed, exclusive of mandible, moderate - single fracture
045	Wound, face, jaws, and neck, open, lacerated with associated fractures, excluding spinal fractures, severe - with airway obstruction
046	Wound, face, jaws, and neck, open, lacerated with associated fractures, excluding spinal fractures, moderate - without airway obstruction
047	Wound, face and neck, open, lacerated, contused without fractures, severe - with airway obstructions and/or major vessel involvement

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
048	Wound, face and neck, open, lacerated, contused without fractures, moderate - without airway obstruction or major vessel involvement
049	Fracture, mandible, with/without oral laceration, without airway involvement, unstable, requiring open reduction
050	Fracture, mandible, with/without oral laceration, without airway involvement, mild displacement, stable
051	Eye wound, severe - loss of intraocular fluid, with/without retinal detachment, eye not salvageable
052	Eye wound, lacerated, penetrated with retinal injury, eye salvageable
053	Eye wound, lacerated, moderate - without retinal detachment or retinal injury, no foreign body retained, without loss of vitreous fluid, patient has hyphema, eye salvageable
054	Eye wound, chemical burn
055	Wound, tympanic membrane, perforated, lacerated, ruptured, severe - involvement of middle ear ossicles
056	Wound, tympanic membrane, perforated, lacerated, ruptured, moderate - involvement of drum only
057	Fracture, spine, closed, without cord damage, unstable lesion
058	Fracture, spine, closed, without cord damage, stable lesion
059	Fracture, spine, closed, with cord damage, cervical spine with respiratory involvement
060	Fracture, spine, closed, with cord damage, below cervical spine (progressive)
061	Fracture, spine, open, with cord damage, cervical spine with respiratory distress
062	Fracture, spine, open, with cord damage, below cervical spine (progressive)
063	
064	Fracture, clavicle, closed, all cases

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
065	Wound, shoulder girdle, open, with bone injury, severe - joint involvement
066	Wound, shoulder girdle, open, with bone injury, moderate - no joint involvement
067	Fracture, humerus, closed, upper shaft, all cases
068	Wound, upper arm, open, penetrating, lacerated, without fracture, severe - with nerve injury
069	Wound, upper arm, open, penetrating lacerated, without fracture, severe - with vascular injury
070	Wound, upper arm, open, penetrating, lacerated, without fracture, moderate - without nerve or vascular injury
071	Wound, upper arm, open with fractures and nerve and vascular injury, arm non-salvageable
072	Wound, upper arm, open with fractures and nerve injury, no vascular injury, arm salvageable
073	Fracture, radius and ulna, closed, severe - shafts of bones
074	Fracture, radius and ulna, closed, moderate - colles fracture
075	Wound, forearm, open, lacerated, penetrating, without bone, nerve or vascular injury, with major loss of muscle tissue, severe - requiring major debridement
076	Wound, forearm, open, lacerated, penetrating, without bone, nerve or vascular injury, moderate - not requiring major debridement
077	Wound, forearm, open, lacerated, penetrating, with fracture and with nerve and vascular injury, forearm not salvageable
078	Wound, forearm, open, lacerated, penetrating, with fracture and with nerve and vascular injury, forearm salvageable
079	Fracture, hand or fingers, closed, severe - requiring closed reduction
080	Fracture, hand and/or fingers, closed, moderate - not requiring closed reduction

PCPATIENT DESCRIPTION

081 Wound, hand and/or fingers, open, lacerated without fractures, severe - superficial and deep tendon involvement

082 Wound, hand and/or fingers, open, lacerated without fractures, moderate - no tendon involvement or limited to sublimis tendon involvement

083 Wound, hand, open, lacerated, contused, crushed, with fracture(s), all cases - involving fractures of carpals and/or metacarpals

084 Wound, fingers, open, lacerated, contused, crushed, with fracture(s) of phalangeals, requiring rehabilitation

085 Wound, fingers, open, lacerated, contused, crushed, with fracture(s) of phalangeals, not requiring rehabilitation

086 Crush injury, upper extremity, severe - limb not salvageable

087 Crush injury, upper extremity, moderate - limb salvageable

088 Dislocation/fracture, elbow, closed, acute

089 Amputation, hand, traumatic, complete, all cases

090 Amputation, forearm, traumatic, complete, all cases

091 Amputation, full arm, traumatic, complete, all cases

092

093 Fracture, rib, closed, severe - multiple fractures

094 Fracture, rib, closed, moderate - single fracture

095 Injury, lung, closed (blast, crush) with pneumohemothorax, severe - one lung with pulmonary contusion and acute, severe respiratory distress

096 Injury, lung, closed (blast, crush) with pneumohemothorax, moderate - one lung with pulmonary contusion and respiratory distress

097 Wound, thorax (anterior or posterior), open, superficial, lacerated, contused, abraded, avulsed, requiring major debridement

098 Wound, thorax (anterior or posterior), open, superficial, lacerated, contused, abraded, avulsed, not requiring major debridement

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
099	Wound, thorax (anterior or posterior), open, penetrating, with associated rib fractures and pneumohemothorax, acute, severe respiratory distress
100	Wound, thorax (anterior or posterior), open, penetrating, with associated rib fractures and pneumohemothorax, moderate respiratory distress
101	Wound, heart, open, penetrating, perforating, lacerating to include tamponade
102	Wound, abdominal wall (anterior or posterior), lacerated, abraded, contused, avulsed without entering abdominal cavity, severe - requiring major debridement
103	Wound, abdominal wall (anterior or posterior), lacerated, abraded, contused, avulsed without entering abdominal cavity, not requiring major debridement
104	Wound, liver, closed, acute (crush, fracture), major liver damage
105	Wound, liver, closed, acute (crush, fracture), minor liver damage
106	Wound, spleen, closed, acute (crush, fracture), all cases
107	Wound, abdominal cavity, open, with lacerating, penetrating, perforating wound to the large bowel
108	Wound, abdominal cavity, open, with lacerating, penetrating, perforating wound to the small bowel, without major or multiple resections
109	Wound, abdominal cavity, open, with penetrating, perforating wound of liver, major damage
110	Wound, abdominal cavity, open, with penetrating, perforating abdominal wound with lacerated liver
111	Wound, abdominal cavity, open, with penetrating, perforating wound of spleen
112	Wound, abdominal cavity, open, with lacerated, penetrated, perforated wound with shattered kidney

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
113	Wound, abdominal cavity, open, with lacerated, penetrating, perforating wound with lacerated kidney, initially repaired, but subsequent nephrectomy
114	Wound, abdominal cavity, open, with lacerated, penetrating, perforating wound, kidney, moderate - kidney salvageable
115	Wound, abdominal cavity, open, with lacerated, penetrating, perforating wound with shattered bladder
116	Wound, abdominal cavity, open, with lacerated, penetrating, perforating wound with lacerated bladder
117	Wound, buttocks, severe - open, lacerated, penetrating, perforating, and avulsed
118	Wound, buttocks, moderate - open, lacerated, contused and abraded
119	Displaced fracture of pelvis, closed, with associated soft tissue damage and pelvic organ damage
120	Non-displaced fracture of pelvis, closed, with associated soft tissue damage
121	Wound, abdomen, open, with pelvic fracture and penetrating, perforating wounds to multiple pelvic structures (male or female)
122	Wound, abdomen, open, with pelvic fracture and penetrating, perforating wounds to pelvic colon only (male or female)
123	Wound, external genitalia, male, severe - lacerated, avulsed, crushed
124	Wound, external genitalia, male, moderate - abraded, contused
125	Wound, external genitalia, female, severe - lacerated, avulsed, crushed
126	Wound, external genitalia, female, moderate - abraded, contused
127	
128	Fracture, closed, femur, shaft, all cases
129	Wound, thigh, open, without fracture, nerve or vascular injury, requiring major debridement

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
130	Wound, thigh, open, without fracture, nerve or vascular injury, not requiring major debridement
131	Wound, thigh, open, lacerated, penetrating, perforating, with fracture and nerve/vascular injury, limb not salvageable
132	Wound, thigh, open, lacerated, penetrating, perforating, with fracture and nerve injury, limb salvageable
133	Wound, thigh, open, lacerated, penetrating, perforating, with fracture and vascular injury, limb salvageable
134	Wound, knee, open, lacerated, penetrating, perforating, with joint space penetration, shattered knee
135	Wound, knee, open, lacerated, penetrating, perforating, with joint space penetration, articular cartilage damage, no bone injury
136	Wound, knee, open, lacerated, penetrating, perforating, with joint space penetration, no bone or articular cartilage injury
137	Fracture, closed, tibia and fibula, shaft, all cases
138	Wound, lower leg, open, lacerated, penetrating, perforating, without fractures, requiring major debridement
139	Wound, lower leg, open, lacerated, penetrating, perforating, without fractures, not requiring major debridement
140	Wound, lower leg, open, lacerated, penetrating, perforating, with fracture and nerve/vascular injury, limb not salvageable
141	Wound, lower leg, open, lacerated, penetrating, perforating, with fracture and nerve injury, limb salvageable
142	Wound, lower leg, open, lacerated, penetrating, perforating, with fracture and vascular injury, limb salvageable
143	Fracture, ankle/foot, closed, displaced, requiring reduction
144	Fracture, ankle/foot, closed, nondisplaced, not requiring reduction
145	Wound, ankle, foot, toes, open, lacerated, contused, without fractures, but requiring major debridement

PCPATIENT DESCRIPTION

146 Wound, ankle, foot, toes, open, lacerated, contused, without fractures, not requiring major debridement

147 Wound, ankle, foot, toes, open, penetrating, perforating, with fractures and nerve/vascular injury, limb not salvageable

148 Wound, ankle, foot, toes, open, penetrating, perforating, with fractures and nerve injury, limb salvageable

149 Wound, ankle, foot, toes, open penetrating, perforating, with fractures and vascular injury, limb salvageable

150 Crush injury, lower extremity, limb not salvageable

151 Crush injury, lower extremity, limb salvageable

152 Amputation, foot, traumatic, complete, all cases

153 Amputation, below knee, traumatic, complete, all cases

154 Amputation, above knee, traumatic, complete

155 Amputation, traumatic, complete, requiring hip disarticulation

156

157 Burn, thermal, full thickness, lower extremities and genitalia, greater than 30% but less than 40% of total body area involved

158 Burn, thermal, full thickness, trunk, greater than 20% but less than 30% of total body area involved

159 Burn, thermal, full thickness, lower extremity and genitalia, greater than 15% but less than 30% of total body area involved

160 Burn, thermal, full thickness, upper extremities, greater than 10% but less than 20% of total body area involved

161 Burn, thermal, full thickness, trunk, greater than 10% but less than 20% of total body area involved

162 Burn, thermal, full thickness, head and neck, greater than 5% but less than 10% of total body area with eye involvement

163 Burn, thermal, full thickness, upper extremity, less than 10% of total body area involved

PCPATIENT DESCRIPTION

164 Burn, thermal, full thickness, head and neck, less than 5% of total body area and no eye involvement

165 Burn, thermal, partial thickness, lower extremities and genitalia, greater than 30% but less than 40% of total body area involved

166 Burn, thermal, partial thickness, trunk, greater than 20% but less than 30% of total body area involved

167 Burn, thermal, partial thickness, lower extremity and genitalia, greater than 15% but less than 30% of total body area involved

168 Burn, thermal, partial thickness, upper extremities, greater than 10% but less than 20% of total body area involved

169 Burn, thermal, partial thickness, trunk, greater than 10% but less than 20% of total body area involved

170 Burn, thermal, partial thickness, head and neck, greater than 5% but less than 10% of total body area and/or eye involvement

171 Burn, thermal, partial thickness, upper extremity, less than 10% of total body area involved

172 Burn, thermal, partial thickness, head and neck, less than 5% of total body area and no eye involvement

173 Burn, thermal, superficial, lower extremities and genitalia, greater than 30% but less than 40% of total body area involved

174 Burn, thermal, superficial, trunk, greater than 20% but less than 30% of total body area involved

175 Burn, thermal, superficial, lower extremity and genitalia, greater than 15% but less than 30% of total body area involved

176 Burn, thermal, superficial, upper extremities, greater than 10% but less than 20% of total body area involved

177 Burn, thermal, superficial, trunk, greater than 10% but less than 20% of total body area involved

178 Burn, thermal, superficial, head and neck, greater than 5% but less than 10% of total body area and/or eye involvement

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
179	Burn, thermal, superficial, upper extremity, less than 10% of total body area involved
180	Burn, thermal, superficial, head and neck, less than 5% of total body area and no eye involvement
181	Burns, phosphorous (WP), all cases
182	
183	
184	Dislocation, temporomandibular joint, subluxation without fracture, chronic, requiring correction
185	Dislocation, temporomandibular joint, subluxation without fracture, acute, initial injury
186	Intervertebral disc disorders with nerve root compression, resistant bed rest/traction
187	Intervertebral disc disorders with nerve root compression, responding to bed rest/traction
188	Strain, lumbosacral, sacroiliac joint, chronic, all cases
189	Strains and sprains, sacroiliac region, severe - non-ambulatory
190	Strains and sprains, sacroiliac region, moderate - ambulatory
191	Dislocation, shoulder, closed, acute, all cases
192	Dislocation, elbow, closed, acute
193	Tenosynovitis, elbow, wrist, shoulders, etc.
194	Dislocation, hand or wrist, closed, acute
195	Dislocation, hand, wrist, fingers, closed, acute, fingers
196	Sprain, wrist, closed, acute, all cases
197	Sprain, thumb, closed, acute, severe
198	Sprain, fingers, closed, acute, moderate - no thumb involvement

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
199	Dislocation, hip, closed, acute, all cases
200	Tear, ligaments, knee, acute, complete rupture
201	Tear, ligaments, knee, acute, incomplete rupture
202	Internal derangement of knee, chronic, with torn meniscus and/or ligament laxity
203	Chondromalacia
204	Sprain, ankle, closed, acute, with complete ligament rupture
205	Sprain, ankle, closed, acute, grade 2, incomplete ligament rupture
206	Dislocation, toes, closed, acute, all cases
207	Trench foot, immersion foot, severe - vesicle formation
208	Trench foot, immersion foot, moderate - no vesicle formation
209	Chilblains, all cases
210	Frostbite, full skin thickness or deeper involvement
211	Frostbite, less than full skin thickness
212	Hypothermia, all cases
213	Heat stroke
214	Heat exhaustion
215	Heat cramps, all cases
216	Blisters, hand, fingers, foot, toes, due to friction, acute, moderate - all cases
217	Insect bites and stings (unspecified body area) with systemic symptoms and/or respiratory difficulty
218	Insect bites and stings (unspecified body area), moderate - localized symptoms
219	Animal bites and rabies exposure

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
220	Near drowning
221	Toxic inhalation
222	
223	
224	Appendicitis, acute, with perforation, rupture, peritonitis
225	Appendicitis, acute, without perforation, rupture, peritonitis
226	Inguinal hernia, complicated, direct or indirect, sliding, incarceration of bowel
227	Inguinal hernia, uncomplicated, direct or indirect, no sliding, no incarceration of bowel or bladder
228	Boils, furuncles, pyoderma, requiring surgery
229	Pilonidal cyst/abscess, requiring major excision
230	Peptic ulcer, gastric or duodenal, penetrating and/or perforating
231	Hemorrhoidal disease
232	Cholecystitis with cholelithiasis, all cases
233	Facial cellulitis and infection, involvement of facial spaces, sinuses and/or salivary glands, airway involvement
234	Facial cellulitis and infection, involvement of facial spaces, sinuses and/or salivary glands, no airway obstruction
235	Cellulitis, involving face or weight bearing areas
236	Cellulitis, other than face or weight bearing areas
237	Pilonidal cyst/abscess, requiring minor incision
238	Ingrown toenails, bilateral, with secondary infections unresolvable at echelon 2
239	Ingrown toenails, without secondary infection

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
240	Eczema, dermatitis, seborrheic, contact, others, affecting weight bearing or pressure areas
241	Eczema, dermatitis, seborrheic, contact, others, not affecting weight bearing areas
242	Boils, furuncles, pyoderma, not requiring surgery
243	Dermatophytosis, severe - affecting feet
244	Dermatophytosis, all other cases
245	Pediculosis, all cases
246	Scabies, all cases
247	Herpes simplex and zoster, without encephalitis, all types, all cases
248	Hyperhydrosis, all cases
249	Blepharitis, all cases
250	Conjunctivitis, severe - all cases
251	Conjunctivitis, moderate - all cases
252	Trachoma, all cases
253	Corneal ulcer
254	Corneal abrasion
255	Iridocyclitis, acute, marked visual impairment
256	Iridocyclitis, acute, minimal visual impairment
257	Refraction and accommodation disorders, refraction required
258	Refraction and accommodation disorders, replacement of spectacles required
259	Otitis externa, all cases
260	Otitis media, acute, suppurative, all cases
261	Mastoiditis, chronic, all cases

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
262	Hearing impairment
263	
264	Allergic rhinitis, all cases
265	Upper respiratory infections, acute, all cases
266	Bronchitis, acute, all cases
267	Asthma, with disabling symptoms or repeated attacks
268	Asthma, other cases
269	Adult respiratory distress syndrome, severe
270	Adult respiratory distress syndrome, moderate
271	Food poisoning, staphylococcal, disabling symptoms
272	Food poisoning, staphylococcal, moderate symptoms
273	Diarrheal disease, severe
274	Diarrheal disease, moderate
275	Gastritis, acute, all cases
276	Peptic ulcer, gastric or duodenal, uncomplicated
277	Regional ileitis, disabling symptoms, unresponsive to treatment
278	Regional ileitis, responds to treatment
279	Helminthiasis, all cases
280	Intracranial hemorrhage, spontaneous, nontraumatic, severe - comatose or semicomatose with possible respiratory distress without associated hematoma
281	Intracranial hemorrhage, spontaneous, nontraumatic, moderate - awake without respiratory distress or severe neurologic deficit
282	Essential hypertension
283	Ischemic heart disease

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
284	Phlebitis, deep vein involvement
285	Phlebitis, superficial vein involvement
286	Sexually transmitted diseases (STD), genital ulcers and/or adenopathy
287	Sexually transmitted diseases (STD), complicated
288	Sexually transmitted diseases (STD), urethritis
289	Glomerulonephritis, acute
290	Glomerulonephritis, chronic
291	Pyelonephritis, acute, no obstruction
292	Nephrotic syndrome, all cases
293	Ureteral calculus, not causing obstruction
294	Epididymitis, cystitis, prostatitis, acute, all cases
295	Balanoposthitis, all cases
296	Pyelonephritis, acute, secondary to obstruction
297	Ureteral calculus, causing obstruction, impacted
298	
299	Migraine, all cases
300	Meningo-encephalitis, complicated
301	Meningo-encephalitis, uncomplicated
302	Mumps, all cases
303	Infectious mononucleosis, all cases
304	Hepatitis, infectious, viral, all cases
305	Pancreatitis, acute, all cases
306	Cirrhosis, severe - hemorrhagic complications

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
307	Cirrhosis, moderate - no hemorrhage
308	Malaria, severe - all species
309	Malaria, moderate - all species
310	Febrile illness, acute, severe - except malaria and pneumonia
311	Febrile illness, acute, moderate
312	Cutaneous ulcers, including leishmaniasis
313	Joint disorders, including septic
314	Motion sickness
315	Diabetes mellitus
316	Thyroid disorder
317	Anemia, all cases
318	Schistosomiasis, all cases
319	Neoplasms, malignant
320	Neoplasms, benign
321	Psychosis
322	Conduct disorders
323	Non-psychotic mental disorders
324	Alcohol dependency, severe - impending or actual DTs
325	Alcohol dependency syndrome, moderate
326	Alcohol misuse, simple intoxication
327	Drug dependency (other than alcohol), severe
328	Drug misuse (other than alcohol), severe - atypical, no dependency
329	Drug misuse (other than alcohol), mild or moderate

<u>PC</u>	<u>PATIENT DESCRIPTION</u>
330	
331	
332	Stress reaction, severe - unresponsive to treatment
333	Stress reaction, severe - delayed improvement
334	Stress reaction, severe - moderate
335	Stress reaction, moderate
336	Stress reaction, acute, moderate-mild
337	Stress reaction, acute, mild
338	
339	
340	Dysfunctional uterine bleeding
341	Dysmenorrhea, amenorrhea
342	Pelvic inflammatory disease (PID) all cases
343	Cervicitis, endocervicitis, with symptomatic leukorrhea
344	Vulvovaginitis
345	Tubal pregnancy, impending rupture/rupture
346	Tubal pregnancy, not ruptured
347	Abortion, spontaneous with hemorrhage
348	Pregnancy, uncomplicated

TABLE 2. PATIENT CONDITION CODES AND CONSTITUENT ICD-9 DIAGNOSES

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
MULT FRAG WOUND BRAIN	1	851XX 854XX 90700
MULT FRAG WOUND CHEST	1	875XX 90840
PNEUMOHEMOTHORAX	1	860XX
 MULT FRAG WOUND BRAIN	2	851XX 854XX 90700
WOUND COLON OPEN	2	86350 86351 86352 86353 86354
 MULT FRAG WOUND BRAIN	3	851XX 854XX 90700
WOUND KIDNEY OPEN	3	86610 86611 86612 86613
 MULT FRAG WOUND BRAIN	4	851XX 854XX 90700
OPEN WOUND BLADDER	4	86710
 MULT FRAG WOUND BRAIN	5	851XX 854XX 90700
WOUND SPLEEN OPEN	5	86510 86511 86512 86513 86514 86519
 MULT FRAG WOUND BRAIN	6	851XX 854XX 90700
WOUND LIVER OPEN	6	86410 86411 86412 86413 86414 86419
 MULT FRAG WOUND BRAIN	7	851XX 854XX 90700
OPEN WOUND LOWER LIMB MULT	7	894XX
AMPUTATION LEGS BILATERAL	7	89760 89770
 MULT FRAG WOUND CHEST	8	875XX 90840
PNEUMOHEMOTHORAX	8	860XX
WOUND COLON OPEN	8	86350 86351 86352 86353 86354
 MULT FRAG WOUND CHEST	9	875XX 90840
PNEUMOHEMOTHORAX	9	860XX
WOUND KIDNEY OPEN	9	86610 86611 86612 86613

* ICD9 diagnostic codes ending in XX represent entire range of five digit codes starting with the shown first three numbers.

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
MULT FRAG WOUND CHEST OPEN WOUND BLADDER PNEUMOHEMOTHORAX	10	875XX 90840
	10	86710
	10	860XX
MULT FRAG WOUND CHEST PNEUMOHEMOTHORAX WOUND SPLEEN OPEN	11	875XX 90840
	11	860XX
	11	86510 86511 86512 86513 86514 86519
MULT FRAG WOUND CHEST PNEUMOHEMOTHORAX WOUND LIVER OPEN	12	875XX 90840
	12	860XX
	12	86410 86411 86412 86413 86414 86419
MULT FRAG WOUND CHEST PNEUMOHEMOTHORAX FRACTURE UPPER LIMB	13	875XX 90840
	13	860XX
	13	818XX
MULT FRAG WOUND OPEN WOUND BLADDER WOUND COLON OPEN	14	86710
	14	86350 86351 86352 86353 86354
MULT FRAG WOUND WOUND COLON OPEN WOUND SPLEEN OPEN	15	86350 86351 86352 86353 86354
	15	86510 86511 86512 86513 86514 86519
MULT FRAG WOUND WOUND COLON OPEN WOUND LIVER OPEN	16	86350 86351 86352 86353 86354
	16	86410 86411 86412 86413 86414 86419
MULT FRAG WOUND OPEN WOUND LOWER LIMB MULT INJURY NERVES LOWER LIMBS INJURY NERVES LOWER LIMBS WOUND COLON OPEN FRACTURE LOWER LIMB	17	894XX
	17	95600 95610 95620 95640 95650 95690 95630
	17	90750
	17	86350 86351 86352 86353 86354
	17	827XX
MULT FRAG WOUND WOUND LIVER OPEN WOUND KIDNEY OPEN	18	86410 86411 86412 86413 86414 86419
	18	86610 86611 86612 86613

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
MULT FRAG WOUND OPEN WOUND BLADDER WOUND SPLEEN OPEN	19	86710 86510 86511 86512 86513 86514 86519
MULT FRAG WOUND OPEN WOUND LOWER LIMB MULT INJURY NERVES LOWER LIMBS INJURY NERVES LOWER LIMBS WOUND KIDNEY OPEN FRACTURE LOWER LIMB	20	894XX 95600 95610 95620 95640 95650 95690 95630 90750 86610 86611 86612 86613 827XX
MULT FRAG WOUND OPEN WOUND BLADDER OPEN WOUND LOWER LIMB MULT	21	86710 894XX
MULT FRAG WOUND OPEN WOUND LOWER LIMB MULT INJURY NERVES LOWER LIMBS INJURY NERVES LOWER LIMBS WOUND SPLEEN OPEN FRACTURE LOWER LIMB	22	894XX 95600 95610 95620 95640 95650 95690 95630 90750 86510 86511 86512 86513 86514 86519 827XX
MULT FRAG WOUND OPEN WOUND LOWER LIMB MULT WOUND LIVER OPEN	23	894XX 86410 86411 86412 86413 86414 86419
MULT FRAG WOUND BRAIN MULT FRAG WOUND CHEST OPEN WND SHOULDER/UPPER ARM PNEUMOHEMOTHORAX	24	851XX 854XX 90700 875XX 90840 884XX 860XX
MULT FRAG WOUND CHEST OPEN WND SHOULDER/UPPER ARM PNEUMOHEMOTHORAX WOUND COLON CLOSED WOUND COLON CLOSED	25	875XX 90840 884XX 860XX 86340 86341 86342 86343 86344 86345 86346 86349

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
MULT FRAG WOUND CHEST	26	875XX 90840
OPEN WOUND BLADDER	26	86710
PNEUMOHEMOTHORAX	26	860XX
WOUND COLON OPEN	26	86350 86351 86352 86353 86354
MULT FRAG WOUND CHEST	27	875XX 90840
MULTIPLE ORGAN DAMAGE	27	862XX 868XX 869XX 90800
SUPERFICIAL MULT FRAG WOUNDS	28	90620 910XX 911XX 912XX 913XX 914XX 915XX
SUPERFICIAL MULT FRAG WOUNDS	28	916XX 917XX 918XX 919XX
CEREB CONCU LOSS CONSC < 24	31	85010 85020 85050
CEREB CONCU LOSS CONSC < 24	32	85010 85020 85050
FRAC SKUL CLS LOSS CON < 24	32	80122 80123 80126 80132 80133 80136 80142
FRAC SKUL CLS LOSS CON < 24	32	80143 80146 80302 80303 80306 80312 80313
FRAC SKUL CLS LOSS CON < 24	32	80023 80026 80032 80033 80036 80042 80043
FRAC SKUL CLS LOSS CON < 24	32	80002 80003 80006 80012 80013 80016 80022
FRAC SKUL CLS LOSS CON < 24	32	80046 80102 80103 80106 80112 80113 80116
FRAC SKUL CLS LOSS CON < 24	32	80316 80322 80323 80326 80332 80333 80336
FRAC SKUL CLS LOSS CON < 24	32	80342 80343 80346
INJURY NERVES CRANIAL	33	950XX 951XX 90710
CERE CONT CLS LOSS CON > 24	33	85104 85105 85144 85145
FRAC SKUL CLS LOSS CON > 24	33	80124 80125 80134 80135 80144 80145 80304
FRAC SKUL CLS LOSS CON > 24	33	80305 80314 80315 80324 80325 80334 80335
FRAC SKUL CLS LOSS CON > 24	33	80004 80005 80014 80015 80024 80025 80034
FRAC SKUL CLS LOSS CON > 24	33	80035 80044 80045 80104 80105 80114 80115
FRAC SKUL CLS LOSS CON > 24	33	80344 80345
CERE CONT CLS LOSS CON < 24	34	85102 85103 85142 85143
FRAC SKUL CLS LOSS CON < 24	34	80122 80132 80133 80136 80142 80316 80322
FRAC SKUL CLS LOSS CON < 24	34	80323 80326 80332 80333 80336 80023 80026
FRAC SKUL CLS LOSS CON < 24	34	80032 80033 80036 80042 80043 80002 80003
FRAC SKUL CLS LOSS CON < 24	34	80006 80012 80013 80016 80022 80143 80146
FRAC SKUL CLS LOSS CON < 24	34	80302 80303 80306 80312 80313 80046 80102
FRAC SKUL CLS LOSS CON < 24	34	80103 80106 80112 80113 80116 80342 80343
FRAC SKUL CLS LOSS CON < 24	34	80346

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
CERE CONT CLS LOSS CON > 24	35	85104 85105 85144 85145
FRAC SKUL CLS LOSS CON > 24	35	80124 80125 80134 80135 80144 80145 80304
FRAC SKUL CLS LOSS CON > 24	35	80004 80005 80014 80015 80024 80025 80034
FRAC SKUL CLS LOSS CON > 24	35	80035 80044 80045 80104 80105 80114 80115
FRAC SKUL CLS LOSS CON > 24	35	80305 80314 80315 80324 80325 80334 80335
FRAC SKUL CLS LOSS CON > 24	35	80344 80345
CERE CONT CLS LOSS CON > 24	36	DIAGNOSES DO NOT DISTINGUISH FROM PC 33
CERE CONT CLS NO/UNSPEC LOC	37	85100 85101 85106 85109 85140 85141 85146
CERE CONT CLS NO/UNSPEC LOC	37	85149
FRAC SKULL CLS UNSPEC LOC	37	80000 80001 80009 80010 80011 80019 80020
FRAC SKULL CLS UNSPEC LOC	37	80021 80029 80030 80031 80039 80040 80041
FRAC SKULL CLS UNSPEC LOC	37	80049 80100 80101 80109 80110 80111 80119
FRAC SKULL CLS UNSPEC LOC	37	80120 80121 90129 80130 80131 80139 80140
FRAC SKULL CLS UNSPEC LOC	37	80141 80149 80300 80301 80309 80310 80311
FRAC SKULL CLS UNSPEC LOC	37	80319 80320 80321 80329 80330 80331 80339
FRAC SKULL CLS UNSPEC LOC	37	80340 80341 80349
INTRA CRAN HEM POST INJURY	37	85200 85201 85202 85203 85204 85205 85206
INTRA CRAN HEM POST INJURY	37	85209 85300 85301 85302 85303 85304 85305
INTRA CRAN HEM POST INJURY	37	85306 85309
CERE CONT CLS NO/UNSPEC LOC	38	85100 85101 85106 85109 85140 85141 85146
CERE CONT CLS NO/UNSPEC LOC	38	85149
FRAC SKULL CLS UNSPEC LOC	38	80000 80001 80009 80010 80011 80019 80020
FRAC SKULL CLS UNSPEC LOC	38	80021 80029 80030 80031 80039 80040 80041
FRAC SKULL CLS UNSPEC LOC	38	80049 80100 80101 80109 80110 80111 80119
FRAC SKULL CLS UNSPEC LOC	38	80120 80121 90129 80130 80131 80139 80140
FRAC SKULL CLS UNSPEC LOC	38	80141 80149 80300 80301 80309 80310 80311
FRAC SKULL CLS UNSPEC LOC	38	80319 80320 80321 80329 80330 80331 80339
FRAC SKULL CLS UNSPEC LOC	38	80340 80341 80349
CEREBRAL CONTUSION OPEN	39	85119 85150 85151 85152 85153 85154 85155
CEREBRAL CONTUSION OPEN	39	85110 85111 85112 85113 85114 85115 85116
CEREBRAL CONTUSION OPEN	39	85156 85159
FRAC SKULL/FOREIGN BODY	39	NO ICD9 EQUIVALENT

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
CEREBRAL CONTUSION OPEN	40	85119 85150 85151 85152 85153 85154 85155
CEREBRAL CONTUSION OPEN	40	85110 85111 85112 85113 85114 85115 85116
CEREBRAL CONTUSION OPEN	40	85156 85159
FRACTURE OF SKULL OPEN	40	80366 80369 80370 80371 80372 80373 80374
FRACTURE OF SKULL OPEN	40	80390 80351 80352 80353 80354 80355 80356
FRACTURE OF SKULL OPEN	40	80359 80360 80361 80362 80363 80364 80365
FRACTURE OF SKULL OPEN	40	80092 80093 80094 80095 80096 80099 80350
FRACTURE OF SKULL OPEN	40	80384 80385 80386 80389 80391 80392 80393
FRACTURE OF SKULL OPEN	40	80174 80175 80176 80179 80180 80181 80182
FRACTURE OF SKULL OPEN	40	80055 80056 80059 80060 80061 80062 80063
FRACTURE OF SKULL OPEN	40	80064 80065 80066 80069 80070 80071 80072
FRACTURE OF SKULL OPEN	40	80165 80166 80169 80170 80171 80172 80173
FRACTURE OF SKULL OPEN	40	80375 80376 80379 80380 80381 80382 80383
FRACTURE OF SKULL OPEN	40	80050 80090 80051 80052 80053 80054 80183
FRACTURE OF SKULL OPEN	40	80184 80185 80186 80189 80191 80192 80150
FRACTURE OF SKULL OPEN	40	80190 80151 80152 80153 80154 80155 80156
FRACTURE OF SKULL OPEN	40	80159 80150 80161 80162 80163 80164 80073
FRACTURE OF SKULL OPEN	40	80074 80075 80076 80079 80080 80081 80082
FRACTURE OF SKULL OPEN	40	80083 80084 80085 80086 80089 80091 80193
FRACTURE OF SKULL OPEN	40	80194 80195 80196 80199 80394 80395 80396
FRACTURE OF SKULL OPEN	40	80399 80450 80451 80452 80453 80454 80455
FRACTURE OF SKULL OPEN	40	80456 80459 80460 80461 80462 80463 80464
FRACTURE OF SKULL OPEN	40	80465 80466 80469 80470 80471 80472 80473
FRACTURE OF SKULL OPEN	40	80474 80475 80476 80479 80480 80481 80482
FRACTURE OF SKULL OPEN	40	80483 80484 80485 80486 80489 80490 80491
FRACTURE OF SKULL OPEN	40	80492 80493 80494 80495 80496 80499 90500
WOUND SCALP EXCL SIMPLE	41	NO ICD9 EQUIVALENT
WOUND SCALP SIMPLE	42	87300
MULT FRC FACE BNS CL EX MAND	43	80400 80401 80402 80403 80404 80405 80406
MULT FRC FACE BNS CL EX MAND	43	80409 80410 80411 80412 80413 80414 80415
MULT FRC FACE BNS CL EX MAND	43	80416 80419 80420 80421 80422 80423 80424
MULT FRC FACE BNS CL EX MAND	43	80425 80426 80429 80430 80431 80432 80433
MULT FRC FACE BNS CL EX MAND	43	80434 80435 80436 80439 80440 80441 80442
MULT FRC FACE BNS CL EX MAND	43	80443 80444 80445 80446 80449
FRAC FACE BONES CLS EXC MAND	44	80200 80240 80260 80280

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
FRACTURE FACE BONES	45	802XX
WOUND NECK W AIRWAY OBSTRCTN	45	87410 87411 87412
FRACTURE FACE BONES	46	802XX
WOUND FACE JAWS NECK	46	874XX 92000 92500
WOUND NECK W AIRWAY OBSTRCTN	47	87410 87411 87412
WOUND FACE JAWS NECK	48	874XX 92000 92500 87330
FRACTUR FACE BONES MAND OPEN	49	80230 80231 80232 80233 80234 80235 80236
FRACTUR FACE BONES MAND OPEN	49	80237 80238 80239
FRACTUR FACE BONES MAND CLSD	50	80220 80221 80222 80223 80224 80225 80226
FRACTUR FACE BONES MAND CLSD	50	80227 80228 80229
EYE WND/NOT SALVAGEABLE	51	87110 87120 87130
EYE WND/RETINAL-SALVAGEABLE	52	87100
EYE WND/NO RET INJ-SALVAGBL	53	870XX 921XX 87100 87110 87120 87140 87150
EYE WND/NO RET INJ-SALVAGBL	53	87160 87170 87190
EYE WOUND CHEMICAL BURN	54	94000 94020 94030
EAR WOUND OPEN OSSICLES	55	87262 87272
EAR WOUND OPEN TYMPANIC MEM	56	87261 87271 38420 38421 38422 38423 38424
EAR WOUND OPEN TYMPANIC MEM	56	38425
FRAC SPIN CLSD NO CORD DAMA	57	80500 80560 80580 80520 80540 80501 80502
FRAC SPIN CLSD NO CORD DAMA	57	80503 80504 80505 80506 80507 80508

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
FRAC SPIN CLSD NO CORD DAMA	58	DIAGNOSES DO NOT DISTINGUISH FROM PC 57
FRAC CERV SPINE CLS/CORD DMG	59	80600 80601 80602 80603 80604 80605 80606
FRAC CERV SPINE CLS/CORD DMG	59	80607 80608 80609
FRAC BLW CERV SPN CL/COR DAM	60	80620 80621 80622 80623 80624 80625 80626
FRAC BLW CERV SPN CL/COR DAM	60	80627 80628 80629 80640 80660 80661 80662
FRAC BLW CERV SPN CL/COR DAM	60	80669
FRAC CERV SPIN OPEN/CORD DAM	61	80610 80611 80612 80613 80614 80615 80616
FRAC CERV SPIN OPEN/CORD DAM	61	80617 80618 80619
FRAC BLW CERV SP OPN/COR DAM	62	80630 80631 80632 80633 80634 80635 80636
FRAC BLW CERV SP OPN/COR DAM	62	80637 80638 80639 80650 80670 80671 80672
FRAC BLW CERV SP OPN/COR DAM	62	80679
FRACTURE CLAVICLE CLOSED	64	81000 81001 81002 81003
OPN WND SHLDER COMP EX TNDN	65	88010 88011 88012 88013 88019 88410
OPN WND SHLDER W/TNDN INVOLV	66	88020 88021 88022 88023 88029 88420
FRACT HUMERUS CLOSED SHAFT	67	81221
OPEN WND SHOULDER/UPPER ARM	68	880XX 884XX 92300 92301 92302 92303 92309
OPEN WND SHOULDER/UPPER ARM	68	92700 92701 92702 92703 92709
INJURY NERVES UPPER ARM	68	95340 95500 95540 95550 95570 95590
VASCULAR INJ/UPPER EXTREMITY	69	903XX
OPEN WND SHOULDER/UPPER ARM	69	880XX 884XX 92300 92301 92302 92303 92309
OPEN WND SHOULDER/UPPER ARM	69	92700 92701 92702 92703 92709
OPN WND SHLDR/UP ARM WMO CMP	70	88000 88001 88002 88003 88009 88400

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
VASCULAR INJ/UPPER EXTREMITY	71	903XX
FRACT HUMERUS OPEN	71	81210 81230 81250 81211 81212 81213 81219
FRACT HUMERUS OPEN	71	81231 81251 81252 81253 81254 81259
INJURY NERVES UPPER ARM	71	95340 95500 95540 95550 95570 95590
AMPUTATION FULL ARM	71	88720 88730
FRACT HUMERUS OPEN	72	81210 81230 81250 81211 81212 81213 81219
FRACT HUMERUS OPEN	72	81231 81251 81252 81253 81254 81259
INJURY NERVES UPPER ARM	72	95340 95500 95540 95550 95570 95590
FRAC RADIUS/ULNA CLSD SHAFT	73	81323
FRAC RADIU/ULNA CLSD COLLES	74	81341
WND FOREARM OPN W/COMPLIC	75	88110 88111 88112 88113 88120 88121 88122
WND FOREARM OPN W/COMPLIC	75	88123
WND FOREARM OPN W/O COMPLIC	76	88100 88101 88102 88103
VASCULAR INJ/UPPER EXTREMITY	77	903XX
FRACTURE RADIUS/ULNA OPEN	77	81311 81312 81313 81314 81331 81332 81333
FRACTURE RADIUS/ULNA OPEN	77	81351 81352 81353 81354 81310 81330 81350
FRACTURE RADIUS/ULNA OPEN	77	81315 81316 81317 81318 81391 81392 81393
FRACTURE RADIUS/ULNA OPEN	77	81390
INJURY NERVES FOREARM	77	NO ICD9 EQUIVALENT
AMPUTATION FOREARM	77	88700 88710
VASCULAR INJ/UPPER EXTREMITY	78	903XX
FRACTURE RADIUS/ULNA OPEN	78	81315 81316 81317 81318 81391 81392 81393
FRACTURE RADIUS/ULNA OPEN	78	81331 81332 81333 81351 81352 81353 81354
FRACTURE RADIUS/ULNA OPEN	78	81310 81330 81350 81311 81312 81313 81314
FRACTURE RADIUS/ULNA OPEN	78	81390
INJURY NERVES FOREARM	78	NO ICD9 EQUIVALENT
FRAC HAND/FNGR CLSD NOT SIMP	79	81400 81401 81402 81403 81404 81405 81406
FRAC HAND/FNGR CLSD NOT SIMP	79	81407 81408 81409 81500 81501 81502 81503
FRAC HAND/FNGR CLSD NOT SIMP	79	81504 81509 81600 81601 81602 81603 81700

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
FRAC HAND/FINGR CLSD SIMPLE	80	NO ICD9 EQUIVALENT
WND HAND/WRST/FNGR W TENDNS	81	88220 88320
WND HAND/WRST/FNGR NO TENDNS	82	88200 88210 88300 88310 90610 92320 92321
WND HAND/WRST/FNGR NO TENDNS	82	92330 92720 92721 92730
FRACTURE HAND OPEN	83	81410 81511 81512 81513 81411 81412 81413
FRACTURE HAND OPEN	83	81414 81415 81416 81417 81418 81419 81510
FRACTURE HAND OPEN	83	81514 81519 81710
FRACTURE FINGERS OPEN	84	81610 81611 81612 81613
CRUSHING INJURY TO FINGER	84	92730
FRACTURE FINGERS OPEN	85	81610 81611 81612 81613
CRUSHED UPPER EXTREMITY	86	92700 92701 92702 92703 92709 92710 92711
CRUSHED UPPER EXTREMITY	86	92780 92790
AMPUTATION FULL ARM	86	88720 88730
CRUSHED UPPER EXTREMITY	87	92700 92701 92702 92703 92709 92710 92711
CRUSHED UPPER EXTREMITY	87	92780 92790
DISLOCATION ELBOW CLOSED	88	83200 83201 83202 83203 83204 83209 81242
FRACTURE ELBOW CLOSED	88	81241 81243 81244 81249
AMPUTATION HAND	89	885XX 886XX 90590
AMPUTATION FOREARM	90	88700 88710
AMPUTATION FULL ARM	91	88720 88730
FRACTURE RIBS MULT CLOSED	93	80702 80842 80704 80705 80706 80707 80708
FRACTURE RIBS MULT CLOSED	93	80709

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
FRACTURE RIB SINGLE CLOSED	94	80701
INJURY LUNG CLOSED	95	86120 86121 86122
PNEUMOHEMOTHORAX	95	860XX
INJURY LUNG CLOSED	96	86120 86121 86122
WND CHEST/BACK OPEN COMPLIC	97	87510 87610 90840
WND CHEST/BACK OPEN SIMPLE	98	87500 87610
FRACTURE RIB(S) OPEN	99	80710 80711 80712 80713 80714 80715 80716
FRACTURE RIB(S) OPEN	99	80717 80718 80719
WOUND CHEST/BACK OPEN	99	875XX 876XX 90840
PNEUMOHEMOTHORAX	99	860XX
FRACTURE RIB(S) OPEN	100	80710 80711 80712 80713 80714 80715 80716
FRACTURE RIB(S) OPEN	100	80717 80718 80719
WOUND CHEST/BACK OPEN	100	875XX 876XX 90840
INJURY HEART OPEN	101	86110 86111 86112 86113
WOUND ABDOMINAL WALL OPEN	102	87920 87930 87940 87950
WND ABDOMINAL WALL CONTUSN	103	92220
WND LIVER CLS MAJ DAMAGE	104	86402 86403 86404
WND LIVER CLS MIN/UNSP DAM	105	86400 86401 86409
WOUND SPLEEN CLOSED	106	86500 86501 86502 86503 86504 86509

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
WOUND COLON OPEN	107	86350 86351 86352 86353 86354 86355 86356
WOUND COLON OPEN	107	86359
WOUND SMALL INTESTINE OPEN	108	86330 86331 86339
WOUND LIVER OPEN-MAJR DMG	109	86412 86413 86414
WND LIVER OPN-MINR/UNSP DMG	110	86410 86411 86419
WOUND SPLEEN OPEN	111	86510 86511 86512 86513 86514 86519
WND KIDNEY DISRUP PARENCH	112	86603 86613
WOUND KIDNEY LACERATION	113	86602 86612
OPN WND KIDNEY WMO LAC/PAR	114	86610 86611
WOUND BLADDER/URETER OPEN	115	86710 86730
WND BLADDER/URETER NOT OPEN	116	86700 86720
OPEN WOUND BUTTOCKS COMPLIC	117	87710
OPEN WOUND BUTTOCKS SIMPLE	118	87700
WOUND PELVIC ORGANS	119	867XX
FRACTURE PELVIS CLOSED	119	80842 80704 80849 80851 80852 80853 80859
FRACTURE PELVIS CLOSED	119	80800 80820 80840 80880 80850 80841
FRACTURE PELVIS CLOSED	120	80842 80704 80849 80851 80852 80853 80859
FRACTURE PELVIS CLOSED	120	80800 80820 80840 80880 80850 80841

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
WOUND PELVIC ORGANS FRACTURE PELVIS OPEN	121	867XX 121 80810 80830 80890
WOUND COLON OPEN WOUND COLON OPEN FRACTURE PELVIS OPEN	122	86350 86351 86352 86353 86354 86355 86356 122 86359 122 80810 80830 80890
WND EXT GENITALIA MALE OPN	123	87800 87820 87880 87810 87830 87890
WND EXT GENIT MLE CONT/CRSH	124	92240 92600
WND EXT GENITALIA FEML COMP	125	87850 87870
WND EXT GENIT FEML WMO COMP	126	87840 87860
FRACTURE FEMUR SHAFT CLOSED	128	82101
OPN WND HIP/THIGH COMPLIC	129	89010 89020
OPN WND HIP/THIGH WMO COMP	130	89000
VASCULAR INJ/LOW EXTREMITY INJURY NERVES THIGH AMPUTATION LEG ABOVE KNEE FRACTURE FEMUR OPEN FRACTURE FEMUR OPEN FRACTURE FEMUR OPEN	131	904XX 131 95600 95610 131 89720 89730 131 82011 82012 82013 82019 82031 82032 82110 131 82130 82010 82030 82090 82111 82131 82132 131 82133 82139
INJURY NERVES THIGH FRACTURE FEMUR OPEN FRACTURE FEMUR OPEN FRACTURE FEMUR OPEN	132	95600 95610 132 82111 82131 82132 82031 82032 82110 82130 132 82010 82030 82090 82011 82012 82013 82019 132 82133 82139

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
VASCULAR INJ/LOW EXTREMITY	133	904XX
FRACTURE FEMUR OPEN	133	82111 82131 82132 82031 82032 82110 82130
FRACTURE FEMUR OPEN	133	82010 82030 82090 82011 82012 82013 82019
FRACTURE FEMUR OPEN	133	82133 82139
FRACTURE PATELLA OPEN	134	82210
WND KNEE/LOWER LEG/ANK OPEN	135	891XX
TORN CARTLGE/INT DERANG KNE	135	83600 83610 83620 717XX
WND KNEE/LEG/ANK OPN W/TNDN	136	89120
FRAC TIBIA & FIBUL SHFT CLS	137	82322
WND KNEE/LEG/ANK OPEN COMP	138	89110
WND KNE/LEG/ANK OPN NO COMP	139	89100
VASCULAR INJ/LOW EXTREMITY	140	904XX
INJURY NERVES LOWER LEG	140	95620 95630 95640 95650 95690 90750
AMPUTATION LEG BELOW KNEE	140	89700 89710
FRAC TIBIA & FIBULA OPEN	140	82311 82312 82390 82391 82392 82310 82330
FRAC TIBIA & FIBULA OPEN	140	82331 82332
INJURY NERVES LOWER LEG	141	95620 95630 95640 95650 95690 90750
FRAC TIBIA & FIBULA OPEN	141	82311 82312 82390 82391 82392 82310 82330
FRAC TIBIA & FIBULA OPEN	141	82331 82332
VASCULAR INJ/LOW EXTREMITY	142	904XX
FRAC TIBIA & FIBULA OPEN	142	82311 82312 82390 82391 83392 82310 82330
FRAC TIBIA & FIBULA OPEN	142	82331 82332
FRAC ANKLE/FOOT/TOES CLOSED	143	82500 82520 82521 82522 82523 82524 82525
FRAC ANKLE/FOOT/TOES CLOSED	143	82400 82420 82440 82460 82480 82529 82600

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
FRAC ANKLE/FOOT/TOES CLOSED	144	DIAGNOSES DO NOT DISTINGUISH FROM PC 143
OPN WND ANK/FT/TS TNDN/COMP	145	89210 89220 89310 89320
OPN WND ANK/FT/TS NO COMP	146	89200 89300
VASCULAR INJ/LOW EXTREMITY	147	904XX
AMPUTATION FOOT	147	896XX
INJURY NERVES FOOT & ANKLE	147	95630
FRAC ANKLE/FOOT/TOES OPEN	147	82510 82530 82531 82532 82533 82534 82535
FRAC ANKLE/FOOT/TOES OPEN	147	82410 82430 82450 82470 82490 82539 82610
INJURY NERVES FOOT & ANKLE	148	95630
FRAC ANKLE/FOOT/TOES OPEN	148	82539 82610 82410 82430 82450 82470 82490
FRAC ANKLE/FOOT/TOES OPEN	148	82510 82530 82532 82533 82534 82535
VASCULAR INJ/LOW EXTREMITY	149	904XX
FRAC ANKLE/FOOT/TOES OPEN	149	82410 82430 82450 82470 82490 82539 82610
FRAC ANKLE/FOOT/TOES OPEN	149	82510 82530 82531 82532 82533 82534 82535
CRUSH LOWER EXTREMITY	150	92800 92810 92890 92801 92811 92820 92830
CRUSH LOWER EXTREMITY	150	92821 92880
AMPUTATION LEG ABOVE KNEE	150	89720 89730
CRUSH LOWER EXTREMITY	151	92800 92810 92890 92801 92811 92820 92830
CRUSH LOWER EXTREMITY	151	92821 92880
AMPUTATION FOOT	152	896XX
AMPUTATION LEG BELOW KNEE	153	89700 89710
AMPUTATION LEG ABOVE KNEE	154	89720 89730
AMPUTATION LEGS BILATERAL	155	89760 89770

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
BURNS 3RD DEGREE BSA 30-39%	157	94833
BURNS GENITALIA 3RD DEGREE	157	94235 94245 94255
BURNS LOWER EXTREM 3RD DEGR	157	94535 94536 94539 94541 94542 94543 94544
BURNS LOWER EXTREM 3RD DEGR	157	94530 94540 94531 94532 94533 94534 94545
BURNS LOWER EXTREM 3RD DEGR	157	94546 94549 94550 94551 94552 94553 94554
BURNS LOWER EXTREM 3RD DEGR	157	94555 94556 94559
BURNS 3RD DEGREE BSA 20-29%	158	94822
BURNS TRUNK 3RD DEGREE	158	94239 94241 94242 94243 94244 94249 94250
BURNS TRUNK 3RD DEGREE	158	94230 94240 94231 94232 94233 94234 94251
BURNS TRUNK 3RD DEGREE	158	94252 94253 94254 94259
BURNS 3RD DEGREE BSA 20-29%	159	94822
BURNS GENITALIA 3RD DEGREE	159	94235 94245 94255
BURNS LOWER EXTREM 3RD DEGR	159	94545 94546 94549 94550 94551 94552 94553
BURNS LOWER EXTREM 3RD DEGR	159	94535 94536 94539 94541 94542 94543 94544
BURNS LOWER EXTREM 3RD DEGR	159	94530 94540 94531 94532 94533 94534 94554
BURNS LOWER EXTREM 3RD DEGR	159	94555 94556 94559
BURNS 3RD DEGREE BSA 10-19%	160	94811
BURNS UPPER EXTREM 3RD DEGR	160	94345 94346 94349 94350 94351 94352 94353
BURNS UPPER EXTREM 3RD DEGR	160	94438 94441 94442 94443 94444 94445 94446
BURNS UPPER EXTREM 3RD DEGR	160	94431 94432 94433 94434 94435 94436 94437
BURNS UPPER EXTREM 3RD DEGR	160	94354 94355 94356 94359 94430 94440 94330
BURNS UPPER EXTREM 3RD DEGR	160	94340 94331 94332 94333 94334 94335 94336
BURNS UPPER EXTREM 3RD DEGR	160	94339 94341 94342 94343 94344 94447 94448
BURNS UPPER EXTREM 3RD DEGR	160	94450 94451 94452 94453 94454 94455 94456
BURNS UPPER EXTREM 3RD DEGR	160	94457 94458
BURNS 3RD DEGREE BSA 10-19%	161	94811
BURNS TRUNK 3RD DEGREE	161	94239 94241 94242 94243 94244 94249 94250
BURNS TRUNK 3RD DEGREE	161	94230 94240 94231 94232 94233 94234 94251
BURNS TRUNK 3RD DEGREE	161	94252 94253 94254 94259
BURNS 3RD DEGREE BSA < 10%	162	94800
BURN EYES 3RD DEGREE	162	NO ICD9 EQUIVALENT
BURNS HEAD & NECK 3RD DEGR	162	94150 94151 94152 94153 94154 94155 94146
BURNS HEAD & NECK 3RD DEGR	162	94130 94140 94131 94132 94133 94134 94143
BURNS HEAD & NECK 3RD DEGR	162	94144 94145 94146 94147 94148 94149 94135
BURNS HEAD & NECK 3RD DEGR	162	94136 94137 94138 94139 94141 94142 94157
BURNS HEAD & NECK 3RD DEGR	162	94158 94159

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
BURNS 3RD DEGREE BSA < 10%	163	94800
BURNS UPPER EXTREM 3RD DEGR	163	94345 94346 94349 94350 94351 94352 94353
BURNS UPPER EXTREM 3RD DEGR	163	94447 94448 94450 94451 94452 94453 94454
BURNS UPPER EXTREM 3RD DEGR	163	94431 94432 94433 94434 94435 94436 94437
BURNS UPPER EXTREM 3RD DEGR	163	94438 94441 94442 94443 94444 94445 94446
BURNS UPPER EXTREM 3RD DEGR	163	94354 94355 94356 94359 94430 94440 94335
BURNS UPPER EXTREM 3RD DEGR	163	94336 94339 94341 94342 94343 94344 94330
BURNS UPPER EXTREM 3RD DEGR	163	94340 94331 94332 94333 94334 94455 94456
BURNS UPPER EXTREM 3RD DEGR	163	94457 94458
BURNS 3RD DEGREE BSA < 10%	164	94800
BURNS HEAD & NECK 3RD DEGR	164	94150 94151 94152 94153 94154 94155 94156
BURNS HEAD & NECK 3RD DEGR	164	94130 94140 94131 94132 94133 94134 94143
BURNS HEAD & NECK 3RD DEGR	164	94144 94145 94146 94147 94148 94149 94135
BURNS HEAD & NECK 3RD DEGR	164	94136 94137 94138 94139 94141 94142 94157
BURNS HEAD & NECK 3RD DEGR	164	94158 94159
BURNS BSA 30-39%	165	94830
BURNS GENITALIA 2ND DEGREE	165	94225
BURNS LOWER EXTREM 2ND DEGR	165	94520 94521 94522 94523 94524 94525 94526
BURNS LOWER EXTREM 2ND DEGR	165	94529
BURNS BSA 20-29%	166	94820
BURNS TRUNK 2ND DEGREE	166	94220 94221 94222 94223 94224 94229
BURNS BSA 20-29%	167	94820
BURNS GENITALIA 2ND DEGREE	167	94225
BURNS LOWER EXTREM 2ND DEGR	167	94520 94521 94522 94523 94524 94525 94526
BURNS LOWER EXTREM 2ND DEGR	167	94529
BURNS BSA 10-19%	168	94810
BURNS UPPER EXTREM 2ND DEGR	168	94320 94321 94322 94323 94324 94325 94326
BURNS UPPER EXTREM 2ND DEGR	168	94329 94420 94421 94422 94423 94424 94425
BURNS UPPER EXTREM 2ND DEGR	168	94426 94427 94428
BURNS BSA 10-19%	169	94810
BURNS TRUNK 2ND DEGREE	169	94220 94221 94222 94223 94224 94229

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
BURNS BSA < 10%	170	94800
BURN EYES 2ND DEGREE	170	NO ICD9 EQUIVALENT
BURNS HEAD & NECK 2ND DEGR	170	94120 94121 94122 94123 94124 94125 94126
BURNS HEAD & NECK 2ND DEGR	170	94127 94128 94129
BURNS BSA < 10%	171	94800
BURNS UPPER EXTREM 2ND DEGR	171	94320 94321 94322 94323 94324 94325 94326
BURNS UPPER EXTREM 2ND DEGR	171	94329 94420 94421 94422 94423 94424 94425
BURNS UPPER EXTREM 2ND DEGR	171	94426 94427 94428
BURNS BSA < 10%	172	94800
BURNS HEAD & NECK 2ND DEGR	172	94120 94121 94122 94123 94124 94125 94126
BURNS HEAD & NECK 2ND DEGR	172	94127 94128 94129
BURNS BSA 30-39%	173	94830
BURNS GENITALIA 1ST DEGREE	173	94215
BURNS LOWER EXTREM 1ST DEGR	173	94510 94511 94512 94513 94514 94515 94516
BURNS LOWER EXTREM 1ST DEGR	173	94519
BURNS BSA 20-29%	174	94820
BURNS TRUNK 1ST DEGREE	174	94210 94211 94212 94213 94214 94219
BURNS BSA 20-29%	175	94820
BURNS GENITALIA 1ST DEGREE	175	94215
BURNS LOWER EXTREM 1ST DEGR	175	94510 94511 94512 94513 94514 94515 94516
BURNS LOWER EXTREM 1ST DEGR	175	94519
BURNS BSA 10-19%	176	94810
BURNS UPPER EXTREM 1ST DEGR	176	94316 94319 94410 94411 94412 94413 94310
BURNS UPPER EXTREM 1ST DEGR	176	94311 94312 94313 94314 94315 94414 94415
BURNS UPPER EXTREM 1ST DEGR	176	94416 94417 94418
BURNS BSA 10-19%	177	94810
BURNS TRUNK 1ST DEGREE	177	94210 94211 94212 94213 94214 94219

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
BURNS BSA < 10%	178	94800
BURN EYES 1ST DEGREE	178	NO ICD9 EQUIVALENT
BURNS HEAD & NECK 1ST DEGR	178	94110 94111 94112 94113 94114 94115 94116
BURNS HEAD & NECK 1ST DEGR	178	94117 94118 94119
BURNS BSA < 10%	179	94800
BURNS UPPER EXTREM 1ST DEGR	179	94316 94319 94410 94411 94412 94413 94310
BURNS UPPER EXTREM 1ST DEGR	179	94311 94312 94313 94314 94315 94414 94415
BURNS UPPER EXTREM 1ST DEGR	179	94416 94417 94418
BURNS BSA < 10%	180	94800
BURNS HEAD & NECK 1ST DEGR	180	94110 94111 94112 94113 94114 94115 94116
BURNS HEAD & NECK 1ST DEGR	180	94117 94118 94119
DISLOC TEMPOROMANDIBULAR JNT	184	52460
DISLOCATION JAW	185	830XX
INTRVT DSC DIS DGEN/MYLOPHY	186	72240 72250 72251 72252 72260 72270 72271
INTRVT DSC DIS DGEN/MYLOPHY	186	72272 72273 72279
INT DSC DIS NO DGEN/MYLOPHY	187	72200 72210 72211 72220 72230 72231 72232
INT DSC DIS NO DGEN/MYLOPHY	187	72239
STRNS/SPRNS SACROILIAC JNT	188	84600
STRNS/SPRNS SACROILIAC OPN	189	NO ICD9 EQUIVALENT
STRNS/SPRNS SAC WMO OPN/JNT	190	84610 84620 84630 84680 84690
DISLOCATION SHOULDER CLOSED	191	83100 83101 83102 83103 83104 83109
DISLOCATION ELBOW CLOSED	192	83200 83201 83202 83203 83204 83209

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
TENOSYNOVITIS ELB/WRST/SHLDR	193	71920 71921 71922 71923 71924 71925 71926
TENOSYNOVITIS ELB/WRST/SHLDR	193	71927 71928 71929 72010 72610 72611 72612
TENOSYNOVITIS ELB/WRST/SHLDR	193	72619 72630 72631 72632 72633 72639 72640
TENOSYNOVITIS ELB/WRST/SHLDR	193	72650 72660 72661 72662 72663 72664 72665
TENOSYNOVITIS ELB/WRST/SHLDR	193	72669 72680 72690 72691 72700 72701 72702
TENOSYNOVITIS ELB/WRST/SHLDR	193	72703 72704 72705 72706 72709 72720 72730
TENOSYNOVITIS ELB/WRST/SHLDR	193	72740 72741 72742 72743 72749 72750 72751
TENOSYNOVITIS ELB/WRST/SHLDR	193	72759
DISLOCAT HAND/WRIST CLOSED	194	83300 83301 83302 83303 83304 83305 83309
DISLOCATION FINGERS CLOSED	195	83400 83401 83402
SPRAIN WRIST CLOSED	196	84200 84201 84202 84209
SPRAIN THUMB CLOSED	197	84212
SPRAIN HAND/FINGERS CLOSED	198	84210 84211 84213 84219
DISLOCATION HIP CLOSED	199	83500 83501 83502 83503
STRAIN/SPRAIN KNEE OPEN	200	NO ICD9 EQUIVALENT
STRAIN/SPRAIN KNEE WMO OPN	201	844XX
TORN CARTLGE/INT DERANG KNE	202	83600 83610 83620 717XX
CHONDROMALACIA	203	73392 71770
SPRN/STRN ANK/FT CLS LIGAMT	204	84501 84502 84503 84511
SPR/STRN ANK/FT WMO OPN/LIG	205	84500 84509 84510 84512 84513 84519

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
DISLOCAT FOOT/TOES CLOSED	206	83800 83801 83802 83803 83804 83805 83806
DISLOCAT FOOT/TOES CLOSED	206	83809
FROSTBITE FOOT	207	99120
IMMERSION FOOT REDUCED TEMP	208	99140
EFF REDUCED TEMP EXCESS DAMP	209	NO ICD9 EQUIVALENT
FROSTBITE WMO OF FOOT	210	99100 99110 99130
EFFECT OF REDUCED TEMP OTHER	211	99180 99190
HYPOTHERMIA ALL	212	99160
HEATSTROKE	213	99200 99210
HEAT EXHAUSTION	214	99230 99240 99250 99260
HEAT CRAMPS ALL	215	99220
BLISTERS-DUE TO FRICTION	216	91400 91420 91410 91430 91500 91520 91510
BLISTERS-DUE TO FRICTION	216	91530 91700 91720 91710 91730
INSECT BITES/STINGS	217	91040 91050 91140 91150 91240 91250 91340
INSECT BITES/STINGS	217	91350 91440 91450 91540 91550 91640 91650
INSECT BITES/STINGS	217	91740 91750 91940 91950
SYSTEMIC SYMPTOMS/RESP COND	217	40500 40501 40509 40510 40511 40519 40590
SYSTEMIC SYMPTOMS/RESP COND	217	40591 40599 50880 50890 78690
INSECT BITES/STINGS	218	91040 91050 91140 91150 91240 91250 91340
INSECT BITES/STINGS	218	91350 91440 91450 91540 91550 91640 91650
INSECT BITES/STINGS	218	91740 91750 91940 91950

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
ANIMAL BITES/RABIES EXPOSURE	219	07100
NEAR DROWNING	220	99410
TOXIC INHALATION	221	98600 98700 98710 98720 98730 98740 98750
TOXIC INHALATION	221	98760 98770 98780 98790
APPENDICITIS ACUTE W PERITON	224	54000 54010
APPENDICITIS ACUTE NO PERITON	225	54090
INGUIN HERN DIR/INDIR INCARC	226	55000 55001 55002 55003 55010 55011 55012
INGUIN HERN DIR/INDIR INCARC	226	55013
INGUIN HERN DIR/IND NO INCRC	227	55090 55091 55092 55093
BOILS FURUNCLES PYODERMA	228	680XX 68600
PILONIDAL CYST/ABSCESS	229	685XX
PEPTIC ULC GASTRIC/DUOD PERF	230	53110 53111 53120 53121 53150 53151 53160
PEPTIC ULC GASTRIC/DUOD PERF	230	53161 53210 53211 53220 53221 53250 53251
PEPTIC ULC GASTRIC/DUOD PERF	230	53260 53261 53310 53311 53320 53321 53350
PEPTIC ULC GASTRIC/DUOD PERF	230	53351 53360 53361 53410 53411 53420 53421
PEPTIC ULC GASTRIC/DUOD PERF	230	53450 53451 53460 53461
HEMORRHOIDAL DISEASE	231	455XX
CHOLECYSTITIS W CHOLELITHIAS	232	57400 57401 57410 57411 57430 57431 57440
CHOLECYSTITIS W CHOLELITHIAS	232	57441
CELLULITIS FACE/HEAD/NECK	233	68200 68210
UPPER RESP TRACT EDEMA	233	47825

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
CELLULITIS FACE/HEAD/NECK	234	68200 68210
CELLULITIS OF HAND/FOOT	235	68240 68270
CELLULITIS EXC HEAD/HANDS/FT	236	68220 68230 68250 68260 68280 68290
PILONIDAL CYST/ABSCESS	237	685XX
INGROWN NAIL	238	70300
ONYCHIA/PARONYCHIA	238	68111
INGROWN NAIL	239	70300
DERMATITIS/DERMATOSIS/ECZEMA	240	690XX 692XX 37330 37331 37332 37334 69180
DERMATITIS/DERMATOSIS/ECZEMA	240	69400 69410 69420 69430 99530
DERMATITIS/DERMATOSIS/ECZEMA	241	DIAGNOSES DO NOT DISTINGUISH FROM PC 240
BOILS FURUNCLES PYODERMA	242	680XX 68600
DERMATOPHYTOSIS FEET	243	11040
DERMATOPHYTOSIS ALL OTHERS	244	11000 11010 11020 11030 11050 11060 11080
DERMATOPHYTOSIS ALL OTHERS	244	11090
PEDICULOSIS ALL	245	13200 13210 13230 13290
SCABIES ALL	246	133XX
HERPES SMPLX/ZOST NO ENCEPHA	247	053XX 05400 05410 05411 05412 05413 05419
HERPES SMPLX/ZOST NO ENCEPHA	247	05420 05440 05441 05442 05443 05444 05449
HERPES SMPLX/ZOST NO ENCEPHA	247	05450 05460 05470 05471 05472 05473 05479
HERPES SMPLX/ZOST NO ENCEPHA	247	05480 05490 37010

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
HYPERHYDROSIS (DYSHIDROSIS)	248	70581
BLEPHARITIS ALL	249	37300 37301 37302 37380 37390
CHRONIC CONJUNCTIVITIS	250	37210 37211 37212 37213 37214 37215
CONJUNCTIVITIS ACUTE/NOT SPEC	251	37200 37201 37202 37203 37204 37205 37220
CONJUNCTIVITIS ACUTE/NOT SPEC	251	37221 37222 37230 37231 37233 37239
TRACHOMA ALL	252	076XX 077XX 13910
CORNEAL ULCER	253	37000 37001 37002 37003 37004 37005 37006
CORNEAL ULCER	253	37007
CORNEAL ABRASION	254	91610
IRIDOCYCLITIS CHRONIC	255	36410 36411
IRIDOCYCLITS ACUT/SUBAC/UNSP	256	36400 36401 36402 36403 36404 36405 36420
IRIDOCYCLITS ACUT/SUBAC/UNSP	256	36421 36422 36423 36424 36430
EYE EXAMINATION	257	NO ICD9 EQUIVALENT
REFRACTION/ACCOMMODATION DIS	258	367XX 36990
OTITIS EXTERNA ALL	259	38010 38011 38012 38013 38014 38015 38016
OTITIS EXTERNA ALL	259	38020 38021 38022 38023
OTITIS MEDIA ACUTE SUPPURAT	260	38200 38201 38202
MASTOIDITIS CHRONIC ALL	261	38310
HEARING IMPAIRMENT	262	NO ICD9 EQUIVALENT

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
ALLERGIC RHINITIS ALL	264	477XX 47880
UPPER RESP INFECT ACUTE ALL	265	465XX
BRONCHITIS ACUTE ALL	266	466XX
ASTHMA STATUS ASTHMATICUS	267	49301 49311 49391
ASTHMA WMO STAT ASTHMATICUS	268	49300 49310 49390
ADULT RESP DISTRESS SYND SEV	269	NO ICD9 EQUIVALENT
ADULT RESP DISTRESS SYND MOD	270	NO ICD9 EQUIVALENT
FOOD POISON STAPH BACT TOXEM	271	NO ICD9 EQUIVALENT
FOOD POISON STAPHYLOCOCCAL	272	00500
DIARRHEAL DIS INFECT ORIGIN	273	00900 00910 00920 00930
DIARRHEAL DIS WMO INFCT ORIG	274	NO ICD9 EQUIVALENT
GASTRITIS ACUTE ALL	275	53500
PEPTIC ULC GASTR/DUOD UNCOMP	276	53100 53101 53130 53131 53140 53141 53170
PEPTIC ULC GASTR/DUOD UNCOMP	276	53171 53190 53191 53200 53201 53230 53231
PEPTIC ULC GASTR/DUOD UNCOMP	276	53240 53241 53270 53271 53290 53291 53300
PEPTIC ULC GASTR/DUOD UNCOMP	276	53301 53330 53331 53340 53341 53370 53371
PEPTIC ULC GASTR/DUOD UNCOMP	276	53390 53391 53400 53401 53430 53431 53440
PEPTIC ULC GASTR/DUOD UNCOMP	276	53441 53470 53471 53490 53491
REGIONAL ILEITIS DISABLING	277	NO ICD9 EQUIVALENT
REGIONAL ENTERITIS WMO CHRON	278	55500 55510 55520 55590

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
HELMINTIASIS ALL	279	121XX 122XX 123XX 124XX 125XX 126XX 127XX
HELMINTIASIS ALL	279	128XX
INTRACRAN HEMOR NON-TRAUMAT	280	431XX 432XX
COMA	280	78000
INTRACRAN HEMOR NON-TRAUMAT	281	431XX 432XX
ESSENTIAL HYPERTENSION	282	401XX
ISCHEMIC HEART DISEASE	283	411XX 412XX 413XX 414XX 42920
PHLEBITIS DEEP VESSELS	284	45110 45111 45119
PHLEBITIS WMO DEEP VESSELS	285	45100 45120 45180 45181 45189 45190
STD-GENITAL ULCERS	286	09900
STD	287	090XX 091XX 092XX 093XX 094XX 095XX 096XX
STD	287	097XX 098XX 09910 09920 09980 09990
STD-URETHRITIS	288	597XX 09940
GLOMERULONEPHRITIS ACUTE	289	580XX
GLOMERULONEPHRITIS CHRONIC	290	582XX
PYELONEPHRITIS ACUTE	291	59010 59011
NEPHROTIC SYNDROME ALL	292	581XX
CALC URIN TRCT NOT KID/URETR	293	59400 59410 59480 59490

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
EPIDIDYMITS/CYSTI/PROST ACU	294	604XX 59500 60100
BALANOPOSTHITIS ALL	295	60710
PYELONEPHRITIS CHRONIC	296	59000 59001
CALCULUS OF KIDNEY/URETER	297	59200 59210 59290
MIGRAINE ALL	299	346XX
MENINGOCOCCAL INFECTION	300	036XX
MENINGITIS DUE TO ENTOVIRUS	301	047XX
MUMPS ALL	302	072XX
INFECTIOUS MONONUCLEOSIS ALL	303	075XX
HEPATITIS INFECTUS VIRAL ALL	304	070XX
PANCREATITIS ACUTE ALL	305	57700
CIRRHOSIS W CHRON HEPATITIS	306	57140 57141 57149
CIRRHOSIS WMO HEPATITIS	307	57100 57110 57120 57130 57150 57160 57180
CIRRHOSIS WMO HEPATITIS	307	57190 57230
MALARIA PERNICIOUS COMPLIC	308	08490
MALARIA WMO PERNICIOUS COMP	309	08400 08410 08420 08430 08440 08450 08460
MALARIA WMO PERNICIOUS COMP	309	08470 08480

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
FEBRILE ILLNESS SEVERE	310	78060
FEBRILE ILLNESS MODERATE	311	DIAGNOSES DO NOT DISTINGUISH FROM PC 310
CUTANEOUS ULC INC LEISHMANIA	312	085XX
JOINT DISORDERS	313	711XX 712XX 713XX 714XX 715XX 71030 71040
JOINT DISORDERS	313	71600 71601 71602 71603 71604 71605 71606
JOINT DISORDERS	313	71609 71610 71611 71612 71613 71614 71615
JOINT DISORDERS	313	71616 71617 71618 61719 71650 71651 71652
JOINT DISORDERS	313	71653 71654 71655 71656 71657 71658 71659
JOINT DISORDERS	313	71661 71662 71663 71664 71665 71666 71667
JOINT DISORDERS	313	71668 71669 71690 71691 71692 71693 71694
JOINT DISORDERS	313	71695 71696 71697 71698 71699 71700 71710
JOINT DISORDERS	313	71720 71730 71740 71741 71742 71743 71749
JOINT DISORDERS	313	71750 71760 71770 71780 71790 71800 71801
JOINT DISORDERS	313	71802 71803 71804 71805 71806 71807 71808
JOINT DISORDERS	313	71809 71810 71811 71812 71813 71814 71815
JOINT DISORDERS	313	71816 71817 71818 71819 71820 71821 71822
JOINT DISORDERS	313	71823 71824 71825 71826 71827 71828 71829
JOINT DISORDERS	313	71830 71831 71832 71833 71834 71835 71836
JOINT DISORDERS	313	71837 71838 71839 71840 71841 71842 71843
JOINT DISORDERS	313	71844 71845 71846 71847 71848 71849 71850
JOINT DISORDERS	313	71851 71852 71853 71854 71855 71856 71857
JOINT DISORDERS	313	71858 71859 71880 71881 71882 71883 71884
JOINT DISORDERS	313	71885 71886 71887 71888 71889 71890 71891
JOINT DISORDERS	313	71892 71893 71894 71895 71896 71897 71898
JOINT DISORDERS	313	71899 71900 71901 71902 71903 71904 71905
JOINT DISORDERS	313	71906 71907 71908 71909 71910 71911 71912
JOINT DISORDERS	313	71913 71914 71915 71916 71917 71918 71919
JOINT DISORDERS	313	71930 71931 71932 71933 71934 71935 71936
JOINT DISORDERS	313	71937 71938 71939 71950 71951 71952 71953
JOINT DISORDERS	313	71954 71955 71956 71957 71958 71959 71960
JOINT DISORDERS	313	71961 71962 71963 71964 71965 71966 71967
JOINT DISORDERS	313	71968 71981 71982 71985 71986 71991 71992
JOINT DISORDERS	313	71995 71996 72000 72020 72080 72081 72089
JOINT DISORDERS	313	72090 72100 72120 72130 72150 72160 72170
JOINT DISORDERS	313	72180 72190 72191 72290 72300 72350 72370
JOINT DISORDERS	313	72390 72400 72460 72470 72480 72490 72500
JOINT DISORDERS	313	72600 72620 72820 72900 72910 72931 73840
MOTION SICKNESS	314	99460

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
DIABETES MELLITUS	315	250XX 35720 36200
THYROID DISORDER	316	240XX 241XX 242XX 243XX 244XX 245XX 246XX
THYROID DISORDER	316	252XX
ANEMIA ALL	317	280XX 281XX 282XX 283XX 284XX 285XX
SCHISTOSOMIASIS ALL	318	120XX
NEOPLASMS MALIGNANT	319	140XX 141XX 142XX 143XX 144XX 145XX 146XX
NEOPLASMS MALIGNANT	319	147XX 148XX 149XX 150XX 151XX 152XX 153XX
NEOPLASMS MALIGNANT	319	154XX 155XX 156XX 157XX 158XX 159XX 160XX
NEOPLASMS MALIGNANT	319	161XX 162XX 163XX 164XX 165XX 170XX 171XX
NEOPLASMS MALIGNANT	319	172XX 173XX 174XX 175XX 179XX 180XX 181XX
NEOPLASMS MALIGNANT	319	182XX 183XX 184XX 185XX 186XX 187XX 188XX
NEOPLASMS MALIGNANT	319	189XX 190XX 191XX 192XX 193XX 194XX 195XX
NEOPLASMS MALIGNANT	319	196XX 197XX 198XX 199XX 200XX 201XX 203XX
NEOPLASMS MALIGNANT	319	204XX 205XX 206XX 208XX 230XX 231XX 232XX
NEOPLASMS MALIGNANT	319	234XX 20200 20201 20202 20203 20204 20205
NEOPLASMS MALIGNANT	319	20206 20207 20208 20210 20211 20212 20213
NEOPLASMS MALIGNANT	319	20214 20215 20216 20217 20218 20230 20231
NEOPLASMS MALIGNANT	319	20232 20233 20234 20235 20236 20237 20238
NEOPLASMS MALIGNANT	319	20240 20241 20242 20243 20244 20245 20246
NEOPLASMS MALIGNANT	319	20247 20248 20280 20281 20282 20283 20284
NEOPLASMS MALIGNANT	319	20285 20286 20287 20288 20290 20291 20292
NEOPLASMS MALIGNANT	319	20293 20294 20295 20296 20297 20298 20700
NEOPLASMS MALIGNANT	319	20720 20780 23300 23310 23320 23330 23350
NEOPLASMS MALIGNANT	319	23360 23370 23390 23560 23570 23580 23590
NEOPLASMS MALIGNANT	319	23600 23610 23800 23810 23820 23830 23860
NEOPLASMS MALIGNANT	319	23870 23900 23910 23920 23930
NEOPLASMS BENIGN	320	210XX 212XX 213XX 214XX 215XX 216XX 217XX
NEOPLASMS BENIGN	320	218XX 219XX 220XX 221XX 223XX 224XX 225XX
NEOPLASMS BENIGN	320	226XX 227XX 228XX 229XX 21100 21110 21120
NEOPLASMS BENIGN	320	21130 21140 21150 21160 21180 21190 22200
NEOPLASMS BENIGN	320	22210 22230 22240 22280 22290 56900 61620
NEOPLASMS BENIGN	320	62100 62370 62460
PSYCHOSIS	321	290XX 292XX 293XX 294XX 295XX 296XX 297XX
PSYCHOSIS	321	298XX 299XX

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
CONDUCT DISORDERS	322	312XX 30930 30940
NON-PSYCHOTIC MENTAL DISORD	323	V40XX V60XX V62XX V6100 V6110 V6120 V6121
NON-PSYCHOTIC MENTAL DISORD	323	V6129 V6130 V6140 V6141 V6149 V6160 V6170
NON-PSYCHOTIC MENTAL DISORD	323	V6180 V6190 300XX 301XX 302XX 306XX 307XX
NON-PSYCHOTIC MENTAL DISORD	323	311XX 313XX 314XX 315XX 316XX 317XX 318XX
NON-PSYCHOTIC MENTAL DISORD	323	319XX 347XX 31000 31010 31080 31090 78050
NON-PSYCHOTIC MENTAL DISORD	323	78070 79920 79930
ALCOHOL DEPENDENCY	324	291XX 303XX 35750 53530
ALCOHOL DEPENDENCY SYNDROME	325	303XX 35750 53530
ALCOHOL MISUSE/SIMPLE INTOXI	326	30540 30550
DRUG DEPENDENCY NON-ALCOHOL	327	3040A 3040B 3040C 3040D 3040E 3040F 3040G
DRUG DEPENDENCY NON-ALCOHOL	327	3040H 3040K 3040L 3040M 3040N 3041A 3041B
DRUG DEPENDENCY NON-ALCOHOL	327	3041C 3041D 3041E 3041F 3041G 3041H 3041K
DRUG DEPENDENCY NON-ALCOHOL	327	3041L 3041M 3041N 3042A 3042B 3042C 3042D
DRUG DEPENDENCY NON-ALCOHOL	327	3042E 3042F 3042G 3042H 3042K 3042L 3042M
DRUG DEPENDENCY NON-ALCOHOL	327	3042N 3043A 3043B 3043C 3043D 3043E 3043F
DRUG DEPENDENCY NON-ALCOHOL	327	3043G 3043H 3043K 3043L 3043M 3043N 30400
DRUG DEPENDENCY NON-ALCOHOL	327	30410 30420 30430
MULT DRUG MISUSE EXCL ALCOH	328	3051A 3051B 3051C 3051D 3051E 3051F 3051G
MULT DRUG MISUSE EXCL ALCOH	328	3051H 3051K 3051L 3051M 3051N 30510
SINGLE DRUG MISUSE EXCL ALC	329	3050A 3050B 3050C 3050D 3050E 3050F 3050G
SINGLE DRUG MISUSE EXCL ALC	329	3050H 3050K 3050L 3050M 3050N 30500 V9110
SINGLE DRUG MISUSE EXCL ALC	329	V9120
POST TRAUMATIC STRESS SYNDR	332	30981
POST TRAUMATIC STRESS SYNDR	333	DIAGNOSES DO NOT DISTIGUISH FROM PC 332

<u>DESCRIPTION</u>	<u>PC</u>	<u>ICD9 CODES</u>
ADJUSTMENT REACTION W/MO PTSD	334	30900 30910 30920 30921 30922 30923 30924
ADJUSTMENT REACTION W/MO PTSD	334	30928 30929 30930 30940 30980 30982 30983
ADJUSTMENT REACTION W/MO PTSD	334	30989 30990
ACUTE REACTION TO STRESS	335	30800 30810 30820 30830 30840 30890
ACUTE REACTION TO STRESS	336	DIAGNOSES DO NOT DISTINGUISH FROM PC 335
TRANSIENT SITUATIONAL DISTUR	337	NO ICD9 EQUIVALENT
DYSFUNCTIONAL UTERINE BLEEDING	340	62140 62520 62540 62580 62610 62620 62630
DYSFUNCTIONAL UTERINE BLEEDING	340	62640 62650 62660 62680 62700 62710
DYSMENORRHEA/AMENORRHEA	341	62530 62600
PELVIC INFLAMMATORY DISEASE	342	61430 61440 61450 61460 61470 61480 61490
CERVICITIS/ENDOCERV W LEUKOR	343	61600 62350
VULVOVAGINITIS	344	615XX
TUBAL PREG ABORTIVE OUTCOME	345	63315
TUBAL PREGNANCY	346	63310 63311 63312 63314
ABORTION SPONTANEOUS	347	634XX 63900 63901 63902 63903 63904 63905
ABORTION SPONTANEOUS	347	63910 63911 63912 63913 63914 63915 63920
ABORTION SPONTANEOUS	347	63921 63922 63923 63924 63925 63930 63931
ABORTION SPONTANEOUS	347	63932 63933 63934 63935 63940 63941 63942
ABORTION SPONTANEOUS	347	63943 63944 63945 63950 63951 63952 63953
ABORTION SPONTANEOUS	347	63954
PREGNANCY UNCOMPLICATED	348	65000

TABLE 3. PATIENT CONDITION CRITERIA LACKING ICD-9 EQUIVALENTS
OR EXACT TRANSLATIONS*

<u>PC</u>	<u>COMPONENT LACKING ICD-9 PARALLEL</u>
001	sucking wound
005	shock
006	shock
013	vascular injury
021	without fracture or neurovascular injury
024	soft tissue injury
025	soft tissue injury
028	skin and soft tissue
031	with/without nondepressed linear skull fracture severe - from 2 - 12 hours
032	with/without nondepressed linear skull fracture moderate - less than 2 hours
033	with/without nondepressed linear skull fracture severe
034	with/without nondepressed linear skull fracture moderate - from 12 - 24 hours, without focal neurological deficit
035	with intracranial hematoma, with/without nondepressed linear skull fracture severe - large hematoma (including epidural hematoma) with rapidly deteriorating comatose patient
036	Cerebral contusion, closed, with/without nondepressed linear skull fracture severe - with/without focal neurological deficit
037	with depressed skull fracture severe - with massive depression

* Patient condition criteria with inexact ICD-9 translations are in bold text.

PC COMPONENT LACKING ICD-9 PARALLEL

038 with depressed moderate skull fracture - no associated hematoma or significant effect from depression

039 severe - depressed skull fracture with intracranial fragments

040 moderate - without intracranial fragments and/or depressed skull fracture

041 wound scalp open without cerebral injury or skull fracture severe - scalped with avulsion of tissue

042 open without cerebral injury or skull fracture moderate - scalp laceration

043 severe fractures

044 moderate fractures

045 jaws and neck, open, lacerated with associated fractures, excluding spinal fractures, severe

046 open, lacerated excluding spinal fractures, moderate - without airway obstruction

047 face, open, lacerated, contused without fractures, severe, or major vessel involvement

048 contused without fractures, moderate - without airway obstruction or major vessel involvement

049 without airway involvement, unstable, requiring open reduction

050 without airway involvement, mild displacement, stable

052 lacerated

053 lacerated, moderate - no foreign body retained, without loss of vitreous fluid, patient has hyphema

055 tympanic membrane, perforated, lacerated, ruptured, severe

056 perforated, lacerated, ruptured, moderate - involvement of drum only

057 unstable lesion

058 stable lesion

PC COMPONENT LACKING ICD-9 PARALLEL

059 respiratory involvement

060 (progressive)

061 with respiratory distress

062 (progressive)

065 with bone injury, severe - joint involvement

066 with bone injury, moderate - no joint involvement

067 upper

068 penetrating, lacerated, without fracture, severe

069 penetrating lacerated, severe

070 penetrating, lacerated, without fracture, moderate - without nerve or vascular injury

073 severe

074 moderate

075 lacerated, penetrating, without bone, nerve or vascular injury, with major loss of muscle tissue, severe - requiring major debridement

076 lacerated, penetrating, moderate - not requiring major debridement

077 lacerated, penetrating, nerve and vascular injury

078 lacerated, penetrating, nerve and vascular injury

079 requiring closed reduction

080 moderate - not requiring closed reduction

081 lacerated without fractures, severe

082 lacerated without fractures, moderate - limited to sublimis tendon involvement

083 lacerated, contused, crushed, involving fractures of carpals and/or metacarpals

<u>PC</u>	<u>COMPONENT LACKING ICD-9 PARALLEL</u>
084	lacerated, contused, requiring rehabilitation
085	lacerated, contused, not requiring rehabilitation
087	moderate
088	acute
093	severe
094	moderate
095	severe - one lung with pulmonary contusion and acute, severe respiratory distress
097	superficial, lacerated, contused, abraded, avulsed, requiring major debridement
098	superficial, lacerated, contused, abraded, avulsed, not requiring major debridement
099	penetrating, acute, severe respiratory distress
100	thorax (anterior or posterior), penetrating, moderate respiratory distress
101	penetrating, perforating, lacerating to include tamponade
102	lacerated, abraded, contused, avulsed without entering abdominal cavity, severe - requiring major debridement
103	lacerated, abraded, contused, avulsed without entering abdominal cavity, not requiring major debridement
104	acute (crush, fracture)
105	acute (crush, fracture)
106	acute (crush, fracture), all cases
107	abdominal cavity, with lacerating, penetrating, perforating wound to the large bowel
108	abdominal cavity, with lacerating, penetrating, perforating wound to the small bowel, without major or multiple resections

PC COMPONENT LACKING ICD-9 PARALLEL

109 abdominal cavity, with penetrating, perforating wound of liver, major damage

110 abdominal cavity, with penetrating, perforating abdominal wound with lacerated liver

111 abdominal cavity, with penetrating, perforating

112 with lacerated, penetrated, perforated wound with shattered kidney

113 penetrating, perforating wound, initially repaired, but subsequent nephrectomy

114 penetrating, perforating wound, kidney, moderate

115 with lacerated, penetrating, perforating wound with shattered bladder

116 with lacerated, penetrating, perforating wound with lacerated bladder

117 severe - open, lacerated, penetrating, perforating, and avulsed

118 moderate - open, lacerated, contused and abraded

119 displaced fracture, with associated soft tissue damage

120 non-displaced fracture, with associated soft tissue damage

121 penetrating, perforating wounds to multiple pelvic structures

122 penetrating, perforating wounds to pelvic colon only (male or female)

123 severe - lacerated, avulsed, crushed

124 moderate - abraded

125 severe - lacerated, avulsed, crushed

126 moderate - abraded, contused

129 without fracture, nerve or vascular injury, requiring major debridement

PC

COMPONENT LACKING ICD-9 PARALLEL

130 without fracture, nerve or vascular injury, not requiring major debridement

131 lacerated, penetrating, perforating

132 lacerated, penetrating, perforating, limb salvageable

133 thigh, lacerated, penetrating, perforating, limb salvageable

134 lacerated, penetrating, perforating, with joint space penetration

135 lacerated, penetrating, perforating, with joint space penetration, articular cartilage damage, no bone injury

136 lacerated, penetrating, perforating, with joint space penetration, no bone or articular cartilage injury

138 lacerated, penetrating, perforating, without fractures, requiring major debridement

139 lacerated, penetrating, perforating, not requiring major debridement

140 lacerated, penetrating, perforating

141 lacerated, penetrating, perforating

142 lacerated, penetrating, perforating

143 displaced, requiring reduction

144 nondisplaced, not requiring reduction

145 lacerated, contused, without fractures, but requiring major debridement

146 lacerated, contused, not requiring major debridement

147 penetrating, perforating

148 penetrating, perforating

149 penetrating, perforating

155 traumatic, complete, requiring hip disarticulation

159 thermal, full thickness, greater than 15%

<u>PC</u>	<u>COMPONENT LACKING ICD-9 PARALLEL</u>
162	greater than 5%, eye involvement
164	less than 5%, no eye involvement
167	greater than 15% less than 20%
170	greater than 5%, eye involvement
172	less than 5% of total, no eye involvement
175	greater than 15%
178	greater than 5%, eye involvement
180	less than 5%, no eye involvement
181	burns, phosphorous (WP), all cases
184	subluxation without fracture, chronic, requiring correction
185	temporomandibular joint, subluxation without fracture, acute, initial injury
186	with nerve root compression, resistant bed rest/traction
187	with nerve root compression, responding to bed rest/traction
188	lumbosacral, chronic, all cases
189	severe
190	moderate-ambulatory
191	acute
192	acute
194	acute
195	acute
196	acute
197	acute, severe
198	acute, moderate-no thumb involvement

<u>PC</u>	<u>COMPONENT LACKING ICD-9 PARALLEL</u>
199	acute
200	tear, ligaments, knee, acute, complete rupture
201	tear, ligaments, knee, acute, incomplete rupture
202	chronic, with torn meniscus and/or ligament laxity
204	acute, with complete ligament rupture
205	closed, acute, grade 2, incomplete ligament rupture
206	acute
207	trench foot, immersion foot, severe - vesicle formation
208	trench foot, immersion foot, moderate - no vesicle formation
209	chilblains, all cases
210	full skin thickness or deeper involvement
211	frostbite, less than full skin thickness
216	moderate-all cases
224	with perforation, rupture
225	without perforation, rupture
226	complicated, sliding
227	uncomplicated, no sliding
230	and/or penetrating
235	involving face or weight bearing areas
236	other than face or weight bearing areas
238	bilateral, with secondary infections unresolvable at echelon 2
240	seborrheic, contact, others, affecting weight bearing or pressure areas
241	seborrheic, contact, others, not affecting weight bearing areas

<u>PC</u>	<u>COMPONENT LACKING ICD-9 PARALLEL</u>
243	severe
248	hyperhydrosis
250	severe
251	moderate
255	acute, marked visual impairment
257	refraction and accommodation disorders, refraction required
267	with disabling symptoms or repeated attacks
271	disabling symptoms
272	moderate symptoms
273	severe
274	moderate
277	regional ileitis, disabling symptoms, unresponsive to treatment
278	responds to treatment
280	spontaneous, severe - semicomatosc with possible respiratory distress without associated hematoma
281	spontaneous, moderate - awake without respiratory distress or severe neurologic deficit
286	and/or adenopathy
287	complicated
293	not causing obstruction
296	acute, secondary to obstruction
297	causing obstruction, impacted
300	encephalitis, complicated
301	encephalitis, uncomplicated

PC COMPONENT LACKING ICD-9 PARALLEL

306 severe - hemorrhagic complications

307 moderate - no hemorrhage

308 severe

309 moderate

310 acute, severe

311 acute, moderate

328 severe - atypical, no dependency

329 mild or moderate

332 stress reaction, severe - unresponsive to treatment

333 stress reaction, severe - delayed improvement

337 stress reaction, acute, mild

345 impending rupture/rupture

346 not ruptured

TABLE 4. FREQUENCIES OF BATTLE INJURY DIAGNOSES UNACCOUNTED FOR
BY PATIENT CONDITION CODES; U.S. MARINES IN VIETNAM

<u>DISORDER</u>	<u>N</u>
FRACTURE OF PATELLA/TIBIA AND FIBULA/ANKLE	633
FRACTURE OF HUMERUS/RADIUS AND Ulna	422
FRACTURE OF FEMUR	283
FRACTURE OF TARSAL/METATARSAL BONE	260
FRACTURE OF BOTH LOWER LIMBS/LOWER WITH UPPER LIMB	189
FRACTURE OF SKULL	175
FRACTURE OF VERTEBRAL COLUMN	151
FRACTURE OF OTHER, MULTIPLE, AND ILL-DEFINED	113
FRACTURE OF UPPER LIMB(S) OTHER AND MULTIPLE ILL-DEFINED	64
FRACTURE OF PELVIS	62
FRACTURE OF SCAPULA/CLAVICLE	50
FRACTURE OF RIB(S)	47
FRACTURE OF TRUNK MULTIPLE AND ILL-DEFINED	15
FRACTURE OF CARPAL BONE(S)/PHALANGES OF HAND	4
 SUBTOTAL	 2468
 OPEN WOUNDS LOWER LIMBS BOTH MULTIPLE	5637
OPEN WOUNDS OF HEAD, NECK, AND TRUNK OTHER MULTIPLE & UNSPECIFIED	1146
OPEN WOUND EAR	424
OPEN WOUND LOWER LIMB MULTIPLE & UNSPECIFIED	351
OPEN WOUND HAND EXCEPT FINGER(S) ALONE	6
 SUBTOTAL	 7564
 TRAUMATIC AMPUTATION LEG(S)/TOE(S) COMPLETE/PARTIAL	325
TRAUMATIC AMPUTATION OF ARM(S) & HAND(S) COMPLETE PARTIAL	67
 SUBTOTAL	 392

<u>DISORDER</u>	<u>N</u>
CONTUSION TRUNK/LIMB/HAND/FOOT/OTHER	388
SUBTOTAL	<u>388</u>
SPRAINS AND STRAINS	276
DISLOCATION SHOULDER/ELBOW/WRIST/FINGER/HIP/KNEE/ANKLE/OTHER	189
SUPERFICIAL INJURY OF FACE, NECK	118
SUBTOTAL	<u>583</u>
SUBARACHNOID SUBDURAL EXTRADURAL HEMORRHAGE	737
CONCUSSION/CEREBRAL LACERATION CONTUSION	176
LACERATION HEAD OTHER AND UNSPECIFIED	18
SUBTOTAL	<u>931</u>
INJURY TO HEART/ABDOMINAL ORGANS	309
TRAUMATIC PNEUMOTHORAX AND HEMOTHORAX	108
SUBTOTAL	<u>417</u>
INJURY TO NERVE(S)	133
SPINAL CORD INJURY WITHOUT EVIDENCE OF SPINAL BONE INJURY	25
INJURY TO OTHER NERVES	22
SUBTOTAL	<u>180</u>
BURN HEAD/LIMBS/TRUNK/OTHER	691
FOREIGN BODY EYE & ADNEXA	45
SUBTOTAL	<u>736</u>

<u>DISORDER</u>	<u>N</u>
INJURY OTHER AND UNSPECIFIED	61
EARLY COMPLICATION OF TRAUMA	38
COMPLICATIONS OF SURGICAL PROCEDURE	13
TOXIC EFFECT OF OTHER GAS FUME OR VAPOR	9
EFFECTS OF RADIATION/REDUCED TEMPERATURE/DAMPNESS/AIR PRESSURE/OTHER	9
ADVERSE EFFECT OF ANTIBIOTICS/SEDATIVES/HYPNOTICS/UNSPECIFIED DRUG	7
 SUBTOTAL	 137
 TOTAL	 13,796

TABLE 5. FREQUENCIES OF DISEASE AND NON-BATTLE INJURY DIAGNOSES UNACCOUNTED FOR BY PATIENT CONDITION CODES; U.S. MARINES IN VIETNAM

INFECTIVE AND PARASITIC DISEASES

DISORDER	N
AMEBIASIS	1143
SHIGELLOSIS	890
VIRAL DISEASES-OTHER	842
STREPTOCOCCAL SORE THROAT AND SCARLET FEVER	255
INFECTIOUS AND PARASITIC DISEASES OTHER	214
PROTOZOAL INTESTINAL DISEASE- OTHER	148
DISEASES DUE TO VIRUSES AND CHLAMYDIA - OTHER	148
SEPTICEMIA	133
LEPTOSPIROSIS	117
ENCEPHALITIS ACUTE EPIDEMIC/VIRAL	83
SARCOIDOSIS	80
MYCOSES - OTHER	49
TUBERCULOSIS PULMONARY	48
COXSACKIE VIRUS SPECIFIC DISEASE DUE TO	42
SALMONELLA INFECTIONS	39
FOOD POISONING (BACTERIAL)	31
TUBERCULOSIS OTHER RESPIRATORY	22
BACTERIAL DISEASE - OTHER	19
INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	16
INTESTINAL PARASITOSIS - UNSPECIFIED	14
CANDIDIASIS	12
EXANTHEMATA VIRAL- OTHER	10
TUBERCULOSIS OF OTHER ORGANS	10
CHICKEN POX	9
ERYSIPELAS	9
RUBELLA	8
MELIOIDOSIS	8
HISTOPLASMOSIS	8
DERMATOMYCOSIS - OTHER	7
POLIOMYELITIS ACUTE	6
TUBERCULOSIS LATE EFFECTS OF	5
TUBERCULOSIS OF GENITOURINARY SYSTEM	4
 SUBTOTAL	 4429

NEOPLASMS

<u>DISORDER</u>	<u>N</u>
NEOPLASM UNSPECIFIED OTHER AND UNSPECIFIED ORGAN	101
NEOPLASM UNSPECIFIED NATURE	40
NEOPLASM UNSPECIFIED - OTHER GENITOURINARY ORGAN	31
 SUBTOTAL	 172

ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES

<u>DISORDER</u>	<u>N</u>
ALLERGIC DISORDERS-OTHER	105
NUTRITIONAL DEFICIENCIES - OTHER	73
METABOLISM OTHER AND UNSPECIFIED DISORDER OF PLASMA PROTEIN ABNORMALITIES	61
GOUT	30
OTHER ENDOCRINE AND METABOLIC DYSFUNCTIONS	29
OBESITY AND HYPERALIMENTATION	26
PANCREATIC INTERNAL SECRETION OTHER DISORDER OF	23
 SUBTOTAL	 12

DISEASES OF BLOOD AND BLOOD FORMING ORGANS

<u>DISORDER</u>	<u>N</u>
BLOOD AND BLOOD FORMING ORGANS OTHER DISEASES OF	259
 SUBTOTAL	 259

DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS

<u>DISORDER</u>	<u>N</u>
DISEASE OF PERIPHERAL NERVES EXCEPT CRANIAL OR AUTONOMIC	679
PARALYTIC SYNDROMES - OTHER	438
DEAFNESS	421
DISEASE OF EYE	377
OTITIS MEDIA WITHOUT MENTION OF MASTOIDITIS	278
DISEASE OF PERIPHERAL NERVES EXCEPT AUTONOMIC	89
EPILEPSY	88
MIDDLE EAR AND MASTOID OTHER DISORDER OF	85
DISEASE OF RETINA AND OPTIC NERVE	82
UNSPECIFIED FORMS NEURALGIA AND NEURITIS	75
CATARACT	65
ENCEPHALITIS MYELITIS AND ENCEPHALOMYELITIS	52
BLINDNESS AND LOW VISION	50
MENINGITIS	49
FACIAL NERVE DISORDER	49
KERATITIS	48
INFLAMMATION OF UVEAL TRACT	47
STRABISMUS AND OTHER DISORDER OF BINOCULAR EYE MOVEMENTS	46
INFLAMMATION DISEASE OF EYE	44
SPINAL CORD OTHER DISEASE OF	40
INFLAMMATION OF EYELIDS	34
OTHER DISORDERS OF NERVOUS SYSTEM AND SENSE ORGANS	31
DISEASES OF BRAIN-OTHER	27
RETINAL DETACHMENTS AND DEFECTS	25
INFLAMMATION DISEASE OF EAR	23
OTITIS MEDIA WITH MASTOIDITIS	22
SCIATIC NERVE DISORDER	22
INFLAMMATION OF OPTIC NERVE AND RETINA	21
AUTONOMIC NERVOUS SYSTEM DISORDER	19
CORNEAL OPACITY	18
DISORDER OF CONJUNCTIVA/PTERYGIUM	18
BRACHIAL NEURITIS	15
ANTERIOR HORN DISEASE/MOTOR NEURON DISEASE	12
GLAUCOMA	10
INFLAMMATORY AND TOXIC NEUROPATHY	9
CRANIAL NERVES OTHER DISORDERS OF	9
 SUBTOTAL	 3417

DISEASES OF THE CIRCULATORY SYSTEM

<u>DISORDER</u>	<u>N</u>
VARICOSE VEINS OF OTHER SITES	127
HYPERTENSIVE DISEASE	101
HEART FAILURE	98
OTHER CIRCULATORY DISORDERS	54
ARTERIOSCLEROSIS OF CORONARY ARTERIES	47
VARICOSE VEINS OF LOWER EXTREMITIES	43
DISEASE CIRCULATORY SYSTEM	40
UNSPECIFIED DISEASE HEART	36
ACUTE PULMONARY HEART DISEASE	35
RHEUMATIC FEVER	25
ANEURYSM OTHER	21
LYMPHATIC CHANNELS NONINFECTIOUS DISORDER OF	19
GANGRENE	18
CIRCULATORY SYSTEM OTHER DISORDER OF	16
DISEASE OF ARTERIES	15
ANGINA PECTORIS	12
ARTERIAL EMBOLISM AND THROMBOSIS	12
MYOCARDIAL INFARCTION	9
ENDOCARDIUM OTHER DISEASES OF	9
VASCULAR LESION AFFECTING CENTRAL NERVOUS SYSTEM - OTHER	8
MYOCARDIAL INSUFFICIENCY	7
CEREBRAL EMBOLISM AND THROMBOSIS	7
RHEUMATIC HEART DISEASE	6
MITRAL VALVE DISEASE OF	5
ACUTE PERICARDITIS	5
HEART DISEASE SPECIFIED AS ARTERIOSCLEROTIC	5
 SUBTOTAL	 780

DISEASES OF THE RESPIRATORY SYSTEM

<u>DISORDER</u>	<u>N</u>
ACUTE TONSILLITIS	695
BRONCHITIS	665
ACUTE PHARYNGITIS	367
INFLUENZA	298
PNEUMONIA OTHER AND UNSPECIFIED	297
PNEUMONIA LOBAR	211
PNEUMONIA PRIMARY ATYPICAL	186
BRONCHITIS ACUTE ALL	159
PLEURISY	154
CHRONIC DISEASE OF TONSILS AND ADENOIDS	125
EMPHYSEMA/OTHER DISEASES OF RESPIRATORY SYSTEM	108
SINUSITIS CHRONIC OR UNSPECIFIED	94
DEVIATIC NASAL SYSTEM	85
PNEUMOTHORAX	82
PNEUMONIA BRONCHOPNEUMONIA	75
PERITONSILLAR ABSCESS	66
UPPER RESPIRATORY TRACT OTHER DISEASE OF	63
ACUTE SINUSITIS	37
PNEUMONIA UNSPECIFIED	35
PNEUMOCOCCAL PNEUMONIA	34
EMPYEMA	28
ACUTE NASOPHARYNGITIS	22
VIRAL PNEUMONIA	13
OTHER RESPIRATORY DISORDERS	11
NASAL POLYPS	11
ACUTE LARYNGITIS AND TRACHEITIS	10
CHRONIC PHARYNGITIS AND NASOPHARYNGITIS	10
CHRONIC LARYNGITIS AND LARYNGOTRACHEITIS	10
PULMONARY CONGESTION AND HYPOSTASIS	8
CHRONIC INTERSTITIAL PNEUMONIA	8
BRONCHIECTASIS	7
 SUBTOTAL	 3974

DISEASES OF THE DIGESTIVE SYSTEM

<u>DISORDER</u>	<u>N</u>
GASTROENTERITIS & COLITIS EXCLUDING ULCERATIVE NONINFECTIOUS ORIGIN	2769
APPENDICITIS	509
GASTRITIS AND DUODENITIS	239
DISEASES OF INTESTINES AND PERITONEUM	179
HERNIA OF ABDOMINAL CAVITY OTHER W/MO OBSTRUCTION OR GANGRENE	128
DISEASES OF LIVER	101
ABSCESS OF ANAL AND RECTAL REGIONS	84
ANAL FISSURE AND FISTULA	81
TOOTH DEVELOPMENT AND Eruption DISORDER OF	81
GINGIVAL AND PERIODONTAL DISEASE	69
INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	63
FUNCTIONAL DIGESTIVE DISORDER NOT ELSEWHERE CLASSIFIED	51
HARD TISSUES OF TEETH DISEASE OF	48
ESOPHAGUS DISEASE OF	40
SALIVARY GLANDS DISEASE OF	35
CHOLECYSTITIS AND CHOLANGITIS	33
TONGUE DISEASE AND OTHER CONDITIONS OF	30
CHOLELITHIASIS	21
PERITONITIS	19
STOMACH FUNCTION DISORDER OF	15
ACUTE AND SUBACUTE NECROSIS OF LIVER	14
DISEASES OF GALLBLADDER AND BILIARY DUCTS	13
TEETH AND SUPPORTING STRUCTURES OTHER DISEASE AND CONDITIONS OF	13
ORAL SOFT TISSUES DISEASE OF EXCLUDING LESIONS SPECIFIC	12
STOMACH AND DUODENUM OTHER DISORDERS OF	10
DIVERTICULA OF INTESTINE	10
DENTOFACIAL ANOMALIES INCLUDING MALOCCLUSION	8
HERNIA OF ABDOMINAL CAVITY OTHER WITH OBSTRUCTION	6
PANCREATIC DISEASES	5
 SUBTOTAL	 4686

DISEASES OF THE GENITOURINARY SYSTEM

<u>DISORDER</u>	<u>N</u>
REDUNDANT PREPUCE AND PHIMOSIS	445
MALE GENITAL ORGANS OTHER DISORDER OF	317
PROSTATE INFLAMMATORY DISEASE OF	255
URETHRA AND URINARY TRACT OTHER DISORDER OF	174
KIDNEY INFECTIONS OF	95
CYSTITIS	90
HYDROCELE	66
BREAST OTHER DISEASES OF	69
KIDNEY AND URETER OTHER DISORDER OF	59
NEPHRITIS	46
URETHRAL STRICTURE	31
BLADDER OTHER DISORDER OF	26
HYDRONEPHROSIS	18
SALPINGITIS AND OOPHORITIS ACUTE	1
 SUBTOTAL	 1692

COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE Puerperium

<u>DISORDER</u>	<u>N</u>
PREGNANCY OTHER COMPLICATION NOT ELSEWHERE CLASSIFIED	5
 SUBTOTAL	 5

DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE

<u>DISORDER</u>	<u>N</u>
SOFT TISSUES OTHER DISORDER OF	1085
DISORDERS OF SWEAT AND SEBACEOUS GLANDS	468
SKIN AND SUBCUTANEOUS TISSUE OTHER DISORDERS	265
NAIL DISEASE OF	181
URTICARIA	173
IMPETIGO	77
HAIR AND HAIR FOLLICLES DISEASE OF	50
ERYTHEMATOUS CONDITIONS	50
HYPERTROPHIC AND ATROPHIC CONDITIONS OF SKIN	49
PSORIASIS AND SIMILIAR DISORDER	44
CORNS AND CALLOSITIES	41
PRURITUS AND RELATED CONDITIONS	35
LYMPHADENITIS ACUTE	13
LICHEN	9
 SUBTOTAL	 2540

DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE

<u>DISORDER</u>	<u>N</u>
DEFORMITY OTHER ACQUIRED	285
OTHER DISEASES MUSCLE TENDON FASCIA	254
OTHER DISEASES OF BONE	222
OSTEOMYELITIS AND PERIOSTITIS	142
FLAT FOOT	96
OSTEOCHONDROSIS	80
CERVICAL REGION OTHER DISORDER OF	45
INFECTIVE MYOSITIS AND OTHER INFLAMMATORY DISEASES	28
TOE ACQUIRED DEFORMITIES OF	27
SPINE CURVATURE OF	20
BUNION	10
 SUBTOTAL	 1209

CONGENITAL ANOMALIES

<u>DISORDER</u>	<u>N</u>
MUSCULOSKELETAL OTHER CONGENITAL ANOMALIES	98
MALFORMATIONS OF BONE AND JOINT OTHER AND UNSPECIFIED	50
CONGENITAL ANOMALIES OTHER AND UNSPECIFIED	46
GENITAL ORGANS CONGENITAL ABNORMALITIES OF	24
DIGESTIVE SYSTEM OTHER CONGENITAL ABNORMALITIES	15
CONGENITAL ANOMALIES GENITOURINARY SYSTEM	14
OTHER CONGENITAL MALFORMATION NERVOUS SYSTEM SENSE ORGANS	12
SPINA BIFIDA AND MENINGOCELE	11
CIRCULATORY SYSTEM OTHER CONGENITAL ANOMALIES OF	10
LIMBS OTHER CONGENITAL ANOMALIES OF	10
BULBUS CORDIS ANOMALIES AND CARDIAC SEPTAL CLOSURE	9
SUBTOTAL	299

CERTAIN CAUSES OF PERINATAL MORBIDITY AND MORTALITY

<u>DISORDER</u>	<u>N</u>
UMBILICAL SEPSIS	1
SUBTOTAL	1

SYMPTOMS AND ILL-DEFINED CONDITIONS

<u>DISORDER</u>	<u>N</u>
SYMPTOMS REFERABLE TO ABDOMINAL LOWER GASTROINTESTINAL TRACT	1098
OBSERVATION NO NEED OF FURTHER MEDICAL CARE	943
SYMPTOMS REFERABLE TO LIMBS AND JOINTS	551
GENERAL SYMPTOMS NERVOUS AND MUSCULOSKELETAL SYSTEMS	537
SYMPTOMS RELATED TO CARDIOVASCULAR AND LYMPHATIC SYSTEMS	305
SYMPTOMS REFERABLE TO RESPIRATORY SYMPTOMS	296
HEADACHE	273
ABNORMAL URINARY CONSTITUENTS	221
OTHER ILL-DEFINED/UNKNOWN CAUSES MORBIDITY MORTALITY	209
SYMPTOMS RELATED TO NERVOUS SYSTEM AND SPECIAL SENSES	139
SYMPTOMS RELATED TO GENITOURINARY SYSTEM	127
OTHER GENERAL SYMPTOMS	94
SYMPTOMS REFERABLE TO UPPER GASTROINTESTINAL TRACT	84
UREMIA	12
 SUBTOTAL	 4886

ACCIDENTS, POISONINGS, AND VIOLENCE

<u>DISORDER</u>	<u>N</u>
FRACTURE OF TIBIA AND FIBULA	418
FRACTURE OF RADIUS AND URNA	299
FRACTURE OF TARSAL AND METATARSAL BONES ONE OR MORE	269
FRACTURE OF VERTEBRAL COLUMN WITHOUT MENTION OF SPINAL CORD INJURY	181
FRACTURE OF ANKLE	151
FRACTURE OF FEMUR OTHER OR UNSPECIFIED PARTS	106
FRACTURE OF HUMERUS	104
FRACTURE OF ONE OR MORE PHALANGES OF FOOT	101
FRACTURE OF RIB(S) STERNUM LARYNX AND TRACHEA	57
FRACTURE OF CLAVICLE	55
FRACTURE OF FACE BONES	52
FRACTURE OF SKULL OTHER AND UNQUALIFIED	51
FRACTURE OF LOWER LIMB OTHER MULTIPLE AND ILL-DEFINED	49
FRACTURE OF PELVIS	46
FRACTURE OF PATELLA	40
FRACTURE OF UPPER LIMB ILL-DEFINED	35
FRACTURE MULTIPLE BOTH LOWER OR LOWER W/UPPER OR LOWER W/RIBS/STERNUM	31
FRACTURE OF UNSPECIFIED BONES	31
FRACTURE OF NECK OF FEMUR	19
FRACTURE OF CARPAL BONE(S)	20
FRACTURE OF BASE OF SKULL	18
FRACTURE OF BONES OF TRUNK ILL-DEFINED	17
FRACTURE OF PHALANGES OF HAND ONE OR MORE	17
FRACTURE OF SCAPULA	16
FRACTURE OF METACARPAL BONE(S)	15
FRACTURE OF SKULL OR FACE WITH OTHER BONES	14
FRACTURE OF VERTEBRAL COLUMN WITH SPINAL CORD INJURY	11
FRACTURE OF VAULT OF SKULL	9
FRACTURE OF UPPER LIMB WITH RIB(S) AND STERNUM	6
 SUBTOTAL	 2235
 DISLOCATION OF KNEE	 561
DISLOCATION OF SHOULDER	168
DISLOCATION OF ELBOW	25
DISLOCATIONS OF OTHER MULTIPLE AND ILL-DEFINED	21
DISLOCATION OF FINGER	18
DISLOCATION OF ANKLE	18
DISLOCATION OF HIP	14
DISLOCATION OF FOOT	12
DISLOCATION OF WRIST	6
 SUBTOTAL	 843

ACCIDENTS, POISONINGS AND VIOLENCE (Cont'd)

<u>DISORDER</u>	<u>N</u>
SPRAINS AND STRAINS OF BACK OTHER AND UNSPECIFIED PARTS	977
SPRAINS AND STRAINS OTHER AND ILL-DEFINED	94
SPRAINS AND STRAINS OF SHOULDER AND UPPER ARM	41
SPRAINS AND STRAINS OF HIP AND THIGH	31
SPRAINS AND STRAINS OF WRIST AND HAND	9
SPRAINS AND STRAINS OF ELBOW AND FOREARM	7
SUBTOTAL	1159
INTRACRANIAL INJURY OTHER AND UNSPECIFIED	94
CONCUSSION	69
CEREBRAL LACERATION AND CONTUSION	57
TRAUMATIC PNEUMOTHORAX AND HEMOTHORAX	30
SUBARACHNOID SUBDURAL EXTRADURAL HEMORRHAGE POST INJURY	13
SUBTOTAL	258
INJURY TO KIDNEY	27
INJURY TO GASTROINTESTINAL TRACT	22
INJURY TO INTRATHORACIC ORGANS OTHER AND UNSPECIFIED	18
INJURY TO SPLEEN	15
INJURY TO OTHER INTRA-ABDOMINAL ORGANS	15
INJURY TO UNSPECIFIED OR ILL-DEFINED ORGANS	10
INJURY TO PELVIC ORGANS	9
SUBTOTAL	116
TRAUMATIC AMPUTATION OF LEG(S) COMPLETE PARTIAL	29
TRAUMATIC AMPUTATION OF ARM(S) AND HAND(S) COMPLETE PARTIAL	25
TRAUMATIC AMPUTATION OF TOE(S) COMPLETE PARTIAL	23
SUBTOTAL	77

ACCIDENTS, POISONINGS AND VIOLENCE (Cont'd)

<u>DISORDER</u>	<u>N</u>
OPEN WOUNDS MULTIPLE OF OTHER AND UNSPECIFIED SITES EXCLUDING LIMBS	253
OPEN WOUND OF OTHER AND UNSPECIFIED SITES EXCEPT LIMBS	202
OPEN WOUND OF EAR	125
OPEN WOUNDS MULTIPLE OF UPPER WITH LOWER LIMB	102
OPEN WOUNDS LOWER LIMBS BOTH MULTIPLE	92
OPEN WOUNDS OF LOWER LIMB MULTIPLE AND UNSPECIFIED	59
OPEN WOUNDS OF HEAD WITH LIMB(S) MULTIPLE	35
OPEN WOUND OF HAND EXCLUDING FINGER(S) ALONE	28
OPEN WOUND OF HEAD	19
OPEN WOUNDS MULTIPLE OF FACE WITH LIMB	13
 SUBTOTAL	 927
 <u>DISORDER</u>	
SUPERFICIAL INJURY OF OTHER MULTIPLE AND UNSPECIFIED SITES	188
SUPERFICIAL INJURY OF FACE NECK AND SCALP	114
SUPERFICIAL INJURY OF HIP THIGH LEG AND ANKLE	37
SUPERFICIAL INJURY OF FOOT AND TOE(S)	37
SUPERFICIAL INJURY OF TRUNK	34
SUPERFICIAL INJURY OF HAND(S) EXCEPT FINGER(S) ALONE	22
SUPERFICIAL INJURY OF ELBOW FOREARM AND WRIST	16
 SUBTOTAL	 446
 <u>DISORDER</u>	
CONTUSION OF TRUNK	346
CONTUSION OF HIP THIGH LEG AND ANKLE	345
CONTUSION OF OTHER MULTIPLE UNSPECIFIED SITES	224
CONTUSION OF FOOT AND TOE(S)	104
CONTUSION OF ELBOW FOREARM AND WRIST	45
CONTUSION OF SHOULDER AND UPPER ARM	34
 SUBTOTAL	 801
 <u>DISORDER</u>	
FOREIGN BODY EYE AND ADNEXA	66
FOREIGN BODY OTHER	7
FOREIGN BODY IN DIGESTIVE SYSTEM	6
 SUBTOTAL	 79

ACCIDENTS, POISONINGS AND VIOLENCE (Cont'd)

<u>DISORDER</u>	<u>N</u>
BURN(S) OTHER, OTHER UNSPECIFIED PARTS	408
BURN OF TRUNK WITH LIMB(S)	186
BURN OF LOWER LIMB(S)	129
BURN OF MULTIPLE SPEC SITES, BURN OF FACE HEAD NECK W/TRUNK & LIMBS	118
BURN OF WRIST(S) AND HAND(S)	104
BURN OF UPPER LIMB EXCEPT WRIST AND HAND	86
BURN OF FACE HEAD AND NECK	60
BURN OF FACE HEAD NECK WITH LIMB(S)	57
BURN OF TRUNK	57
BURN CONFINED TO EYE	39
 SUBTOTAL	 1243
 INJURY TO OTHER CRANIAL NERVES	 69
INJURY TO OTHER NERVE INCLUDING INJURY IN SEVERAL PARTS	42
INJURY TO NERVE(S) WRIST AND HAND	39
INJURY TO NERVE(S) FOREARM	37
INJURY TO NERVE(S) IN UPPER ARM	35
INJURY TO NERVE(S) LOWER LEG	27
SPINAL CORD INJURY WITHOUT EVIDENCE OF SPINAL BONE INJURY	27
INJURY TO NERVE(S) ANKLE AND FOOT	19
INJURY TO NERVE(S) THIGH	18
 SUBTOTAL	 313
 CERTAIN EARLY COMPLICATIONS OF TRAUMA	 188
OTHER COMPLICATIONS OF MEDICAL CARE	169
TOXIC EFFECT OF OTHER SUBSTANCES CHIEFLY OF NON-MEDICINAL SOURCE	155
COMPLICATIONS OF PROCEDURES OTHER NOT ELSEWHERE CLASSIFIED	132
INJURY OTHER AND UNSPECIFIED	99
ADVERSE EFFECT OTHER UNSPECIFIED DRUGS	78
TOXIC EFFECT OF SUBSTANCES	40
ADVERSE EFFECT ANALGESICS ANTI-PYRETICS ANTI-INFECTIVES OTHER	32
EFFECTS OF OTHER EXTERNAL CAUSES	25
NERVOUS SYSTEM DISORDER OTHER AND UNSPECIFIED	24
POISONING BY SEDATIVES AND HYPNOTICS	15
EFFECTS OF HEAT AND LIGHT	11
ADVERSE EFFECT OF PSYCHOTHERAPEUTICS	8
TOXIC EFFECT OF ALCOHOL, ETHYL OTHER AND UNSPECIFIED	8
 SUBTOTAL	 984

SUPPLEMENTARY CLASSIFICATION—SPECIAL CONDITIONS

<u>DISORDER</u>	<u>N</u>
FOLLOW-UP EXAMINATION NO NEED FOR CARE OR LIMITED CARE	1014
MEDICAL AND SURGICAL AFTERCARE	283
MEDICAL OR SPECIAL EXAMINATION	151
OTHER SUPPLEMENTARY CLASSIFICATIONS	71
SKIN IMMUNITY AND SENSITIZATION TESTS	70
 SUBTOTAL	 1590
 TOTAL	 40,076

TABLE 6. PROPOSED ICD-9 BATTLE INJURY DIAGNOSTIC CATEGORIES

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
MULTIPLE FRAGMENT WOUND BRAIN	851XX 854XX 90700
MULTIPLE FRAGMENT WOUND CHEST	875XX 90840
MULTIPLE FRAGMENT WOUND BACK	876XX
WOUND BRAIN	851XX 854XX 90700
OPEN WOUND CHEST	875XX 90840
OPEN WOUND BACK	876XX
OPEN WOUND SHOULDER/UPPER ARM	880XX
OPEN WOUND ELBOW/FOREARM/WRIST	881XX
OPEN WOUND HAND(S)/FINGERS	882XX 883XX 90610
OPEN WOUND UPPER LIMB(S) MULTIPLE	884XX
OPEN WOUND BUTTOCKS	877XX
OPEN WOUND HIP/THIGH	890XX
OPEN WOUND KNEE/LOWER LEG/ANKLE	891XX
OPEN WOUND FOOT/TOES	892XX 893XX

* ICD9 diagnostic codes ending in XX represent entire range of five digit codes starting with the shown first three numbers.

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
OPEN WOUND LOWER LIMB(S) MULTIPLE	894XX
OPEN WOUNDS MULT/OTH/UNSPECIFIED	879XX 90600 90830 95830
CONTUSION SHOULDER/UPPER ARM	92300 92301 92302 92303 92309 92700 92701
CONTUSION SHOULDER/UPPER ARM	92702 92703 92709
CONTUSION ELBOW/FOREARM/WRIST	92310 92311 92710 92711
CONTUSION HAND/FINGERS	92320 92321 92720 92721
CONTUSION HIP/THIGH/LEG/ANKLE	92400 92401 92410 92411 92450 92800 92801
CONTUSION HIP/THIGH/LEG/ANKLE	92810 92811 92890
CONTUSION FOOT AND TOE(S)	92420 92421 92430 92820 92821 92830
CONTUSION TRUNK	922XX 926XX
AMPUTATION FOOT	896XX
AMPUTATION LEG(S)	897XX
AMPUTATION TOES	895XX
AMPUTATION FINGERS/THUMBS	885XX 886XX 90590
AMPUTATION ARMS/HANDS	887XX
PNEUMO/HEMOTHORAX	860XX
INTRACRANIAL HEMORRAGE POST INJ	852XX 853XX

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
CONCUSSION	850XX 31020
SPINAL CORD LESION NO BONE INJURY	952XX
INJURY NERVES LOWER LEG	90750 95620 95640 95650 95690
INJURY NERVES UPPER ARM	95340 95500 95540 95550 95570 95590
INJURY NERVES FOREARM	NO ICD9 EQUIVALENT
INJURY NERVES THIGH	95600 95610
INJURY NERVES FOOT & ANKLE	95630
INJURY NERVES WRIST/HAND	90740 95510 95520 95530 95560
INJURY NERVES CRANIAL	950XX 951XX 90710
INJURY NERVES OTHER/UNSPECIFIED	954XX 957XX 90730 90790 95300 95310 95320
INJURY NERVES OTHER/UNSPECIFIED	95330 95350 95380 95390 95580 95680
SUPERFICIAL WOUNDS	910XX 911XX 912XX 913XX 914XX 915XX 916XX
SUPERFICIAL WOUNDS	917XX 918XX 919XX 90620
MULTIPLE ORGAN DAMAGE	862XX 868XX 869XX 90800 90810 90820
WOUND LIVER	864XX
WOUND KIDNEY	866XX
WOUND PELVIC ORGANS	867XX

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
WOUND SPLEEN	865XX
WOUND GASTROINTESTINAL TRACT	863XX
WOUND EXTERNAL GENITALIA	878XX
INJURY HEART/LUNG	861XX
WOUND SCALP	NO ICD9 EQUIVALENT
WOUND FACE JAWS NECK	874XX 920XX 925XX
EYE WOUND	870XX 871XX 921XX
OPEN WOUND/PERFORATION EAR	872XX 73870 38420 38421 38422 38423 38424
OPEN WOUND/PERFORATION EAR	38425
FOREIGN BODY EYE	930XX 36050 36051 36052 36053 36054 36055
FOREIGN BODY EYE	36059 36060 36061 36062 36063 36064 36065
FOREIGN BODY EYE	36069 37660 90850
BURNS LOWER EXTREMITIES	945XX 90670
BURNS TRUNK	942XX
BURNS HEAD & NECK	941XX 90650 94700
BURN EYE	940XX
BURNS UPPER EXTREMITIES	943XX 944XX 90660
BURNS MULT/OTHER/UNSPECIFIED	946XX 947XX 948XX 949XX 90680 90690

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
STRAINS/SPRAINS ANKLE/FOOT	845XX
STRAINS/SPRAINS SACROILIAC	846XX
SPRAIN WRIST/HAND/FINGERS	842XX
STRAINS/SPRAINS KNEE	844XX
STRAINS/SPRAINS MULT/OTH/UNSPEC	840XX 841XX 843XX 847XX 848XX 90570 90580
FRACTURE HAND/WRIST/FINGERS	814XX 815XX 816XX 817XX
FRACTURE TIBIA & FIBULA	823XX 90540
FRACTURE PELVIS	808XX
FRACTURE SCAPULA	811XX
FRAC SKULL LOC < 1 HOUR	80002 80012 80022 80032 80042 80052 80062
FRAC SKULL LOC < 1 HOUR	80072 80082 80092 80102 80112 80122 80132
FRAC SKULL LOC < 1 HOUR	80142 80152 80162 80172 80182 80192 80302
FRAC SKULL LOC < 1 HOUR	80312 80322 80332 80342 80352 80362 80372
FRAC SKULL LOC < 1 HOUR	80382 80392
FRAC SKULL LOC < 1-24 HOURS	80003 80013 80023 80033 80043 80053 80063
FRAC SKULL LOC < 1-24 HOURS	80073 80083 80093 80103 80113 80123 80133
FRAC SKULL LOC < 1-24 HOURS	80143 80153 80163 80173 80183 80193 80303
FRAC SKULL LOC < 1-24 HOURS	80313 80323 80333 80343 80353 80363 80373
FRAC SKULL LOC < 1-24 HOURS	80383 80393

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
FRAC SKULL LOC > 24 HOURS	80004 80005 80014 80015 80024 80025 80034
FRAC SKULL LOC > 24 HOURS	80035 80044 80045 80054 80055 80064 80065
FRAC SKULL LOC > 24 HOURS	80074 80075 80084 80085 80094 80095 80104
FRAC SKULL LOC > 24 HOURS	80105 80114 80115 80124 80125 80134 80135
FRAC SKULL LOC > 24 HOURS	80144 80145 80154 80155 80164 80165 80174
FRAC SKULL LOC > 24 HOURS	80175 80184 80185 80194 80195 80304 80305
FRAC SKULL LOC > 24 HOURS	80314 80315 80324 80325 80334 80335 80344
FRAC SKULL LOC > 24 HOURS	80345 80354 80355 80364 80365 80374 80375
FRAC SKULL LOC > 24 HOURS	80384 80385 80394 80395
FRAC SKULL NO/UNSPEC LOC	80000 80001 80006 80009 80011 80016 80019
FRAC SKULL NO/UNSPEC LOC	80020 80021 80026 80029 80030 80031 80036
FRAC SKULL NO/UNSPEC LOC	80039 80040 80041 80046 80049 80050 80051
FRAC SKULL NO/UNSPEC LOC	80056 80059 80060 80061 80066 80069 80070
FRAC SKULL NO/UNSPEC LOC	80071 80076 80079 80080 80081 80086 80089
FRAC SKULL NO/UNSPEC LOC	80090 80091 80096 80099 80100 80101 80106
FRAC SKULL NO/UNSPEC LOC	80109 80111 80116 80119 80120 80121 80126
FRAC SKULL NO/UNSPEC LOC	80129 80130 80131 80136 80139 80140 80141
FRAC SKULL NO/UNSPEC LOC	80146 80149 80150 80151 80156 80159 80160
FRAC SKULL NO/UNSPEC LOC	80161 80166 80169 80170 80171 80176 80179
FRAC SKULL NO/UNSPEC LOC	80180 80181 80186 80189 80190 80191 80196
FRAC SKULL NO/UNSPEC LOC	80199 80300 80301 80306 80309 80311 80316
FRAC SKULL NO/UNSPEC LOC	80319 80320 80321 80326 80329 80330 80331
FRAC SKULL NO/UNSPEC LOC	80336 80339 80340 80341 80346 80349 80350
FRAC SKULL NO/UNSPEC LOC	80351 80356 80359 80360 80361 80366 80369
FRAC SKULL NO/UNSPEC LOC	80370 80371 80376 80379 80380 80381 80386
FRAC SKULL NO/UNSPEC LOC	80389 80390 80391 80396 80399
FRACTURE FEMUR	820XX 821XX 90530
FRACTURE UPPER LIMB	818XX
FRACTURE LOWER LIMB	827XX
FRACT RIB/STERNUM/LARYNX/TRACHEA	807XX
FRACTURE RADIUS/ULNA	813XX 90520
FRACTURE HUMERUS	812XX

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
FRACTURE CLAVICLE	810XX
FRACTURE SPINE NO CORD DAMAGE	805XX 90510
FRACTURE SPINE WITH CORD DAMAGE	806XX 90720
FRACTURE ANKLE/FOOT/TOES	824XX 825XX 826XX
FRACTURE PATELLA	822XX
FRACTURE FACE BONES	802XX
FRACTURE MULT/OTHER/UNSPECIFIED	804XX 809XX 819XX 828XX 829XX 73380 73381
FRACTURE MULT/OTHER/UNSPECIFIED	73382 90500 90550
DISLOCATION KNEE	836XX
DISLOCATION ANKLE	837XX
DISLOCATION HIP	835XX
DISLOCATION SHOULDER	831XX
DISLOCATION FOOT/TOES	838XX
DISLOCATION HAND/WRIST	833XX
DISLOCATION FINGERS	834XX
DISLOCATION ELBOW	832XX
DISLOCATION JAW	830XX

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
TOXIC INHALATION	986XX 987XX
TRAUMA MULTIPLE OTHER & UNSPEC	839XX 873XX 931XX 932XX 933XX 934XX 935XX
TRAUMA MULTIPLE OTHER & UNSPEC	936XX 937XX 938XX 939XX 959XX 90560 90630
TRAUMA MULTIPLE OTHER & UNSPEC	90640 90990 92380 92390 92440 92480 92490
TRAUMA MULTIPLE OTHER & UNSPEC	92780 92790 92880 92900 92990
TRAUMA-EARLY COMPLICATIONS	900XX 901XX 902XX 903XX 904XX 95800 95810
TRAUMA-EARLY COMPLICATIONS	95820 95840 95850 95860 95870 95880
COMPLICAT MEDICAL CARE/SURGERY	978XX 979XX 996XX 997XX 998XX 999XX 34900
COMPLICAT MEDICAL CARE/SURGERY	34910 42940 45700 51900 56420 56430 56440
COMPLICAT MEDICAL CARE/SURGERY	56960 57600 57930 67410 67411 67412 67413
COMPLICAT MEDICAL CARE/SURGERY	67414 67415 67420 67421 67422 67423 67424
COMPLICAT MEDICAL CARE/SURGERY	67425 67430 67431 67432 67433 67434 67435
COMPLICAT MEDICAL CARE/SURGERY	90860 90890 90930 90940 96460 99500 99520

TABLE 7. PROPOSED ICD-9 DISEASE AND NON-BATTLE INJURY DIAGNOSTIC CATEGORIES

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
FEVERILE ILLNESS EXCL PNEUMONIA	002XX 020XX 021XX 023XX 026XX 034XX 060XX
FEVERILE ILLNESS EXCL PNEUMONIA	061XX 065XX 066XX 080XX 081XX 082XX 083XX
FEVERILE ILLNESS EXCL PNEUMONIA	084XX 086XX 087XX 088XX 07860 07870
FOOD POISONING BACTERIAL	005XX
DIARRHEAL DISEASE/DYSENTERY	004XX 009XX
ENTERITIS SPECIFIED ORGANISM	008XX
TUBERCULOSIS ALL TYPES	010XX 011XX 012XX 013XX 014XX 015XX 016XX
TUBERCULOSIS ALL TYPES	017XX 018XX 137XX
MENINGOCOCCAL INFECTIONS	036XX
HERPES SIMPLEX & HERPES ZOSTER	053XX 054XX
ENCEPHALITIS	062XX 063XX 064XX 04620 04980 04990 13900
HEPATITIS INFECTIOUS VIRAL	070XX
ANIMAL BITES/RABIES EXPOSURE	071XX
MUMPS	072XX
INFECTIOUS MONONUCLEOSIS	075XX
TRACHOMA	076XX 077XX 13910

* ICD9 diagnostic codes ending in XX represent entire range of five digit codes starting with the shown first three numbers.

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
STD-SYPHILIS	090XX 091XX 092XX 093XX 094XX 095XX 096XX
STD-SYPHILIS	097XX
STD-GONOCOCCAL INFECTIONS	098XX
STD-OTHER VENEREAL DISEASES	09900 09910 09920 09940 09980 09990
DERMATOPHYTOSIS & DERMATOMYCOSIS	110XX 111XX
HELMINTHIASIS	120XX 121XX 122XX 123XX 124XX 125XX 126XX
HELMINTHIASIS	127XX 128XX
PEDICULOSIS	13200 13210 13230 13290
SCABIES	133XX
INFECTIVE & PARASITIC DIS OTHER	001XX 003XX 006XX 007XX 022XX 02400 02500
INFECTIVE & PARASITIC DIS OTHER	027XX 030XX 031XX 032XX 033XX 03500 03700
INFECTIVE & PARASITIC DIS OTHER	038XX 039XX 040XX 041XX 042XX 043XX 044XX
INFECTIVE & PARASITIC DIS OTHER	045XX 047XX 04800 050XX 051XX 052XX 055XX
INFECTIVE & PARASITIC DIS OTHER	056XX 057XX 073XX 074XX 085XX 100XX 101XX
INFECTIVE & PARASITIC DIS OTHER	102XX 103XX 104XX 112XX 114XX 115XX 116XX
INFECTIVE & PARASITIC DIS OTHER	117XX 11800 12900 130XX 131XX 134XX 13500
INFECTIVE & PARASITIC DIS OTHER	136XX 04680 04690 04900 04910 07800 07810
INFECTIVE & PARASITIC DIS OTHER	07820 07830 07840 07850 07880 07881 07882
INFECTIVE & PARASITIC DIS OTHER	07889 07900 07910 07920 07980 07990 09930
INFECTIVE & PARASITIC DIS OTHER	13220 13980 27914 27915 27916 77100 77110
INFECTIVE & PARASITIC DIS OTHER	77120 77130 77170 77180 V7370 V7371 V7372
INFECTIVE & PARASITIC DIS OTHER	V7373 V7374 V7375 V7376 V7379 13800

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
NEOPLASMS MALIGNANT	140XX 141XX 142XX 143XX 144XX 145XX 146XX
NEOPLASMS MALIGNANT	147XX 148XX 149XX 150XX 151XX 152XX 153XX
NEOPLASMS MALIGNANT	154XX 155XX 156XX 157XX 158XX 159XX 160XX
NEOPLASMS MALIGNANT	161XX 162XX 163XX 164XX 165XX 170XX 171XX
NEOPLASMS MALIGNANT	172XX 173XX 174XX 175XX 17900 180XX 18100
NEOPLASMS MALIGNANT	182XX 183XX 184XX 18500 186XX 187XX 188XX
NEOPLASMS MALIGNANT	189XX 190XX 191XX 192XX 19300 194XX 195XX
NEOPLASMS MALIGNANT	196XX 197XX 198XX 199XX 200XX 201XX 203XX
NEOPLASMS MALIGNANT	204XX 205XX 206XX 208XX 231XX 232XX 20200
NEOPLASMS MALIGNANT	20201 20202 20203 20204 20205 20206 20207
NEOPLASMS MALIGNANT	20208 20210 20211 20212 20213 20214 20215
NEOPLASMS MALIGNANT	20216 20217 20218 20230 20231 20232 20233
NEOPLASMS MALIGNANT	20234 20235 20236 20237 20238 20240 20241
NEOPLASMS MALIGNANT	20242 20243 20244 20245 20246 20247 20248
NEOPLASMS MALIGNANT	20280 20281 20282 20283 20284 20285 20286
NEOPLASMS MALIGNANT	20287 20288 20290 20291 20292 20293 20294
NEOPLASMS MALIGNANT	20295 20296 20297 20298 20700 20720 20780
NEOPLASMS MALIGNANT	23010 23020 23030 23040 23050 23060 23070
NEOPLASMS MALIGNANT	23080 23090 23300 23310 23320 23520 23530
NEOPLASMS MALIGNANT	23540 23550 23560 23570 23580 23590 23600
NEOPLASMS MALIGNANT	23610 23800 23810 23820 23830 23860 23870
NEOPLASMS MALIGNANT	23900 23910 23920 23930
NEOPLASMS BENIGN & UNSPECIFIED	210XX 212XX 213XX 214XX 215XX 216XX 21700
NEOPLASMS BENIGN & UNSPECIFIED	218XX 219XX 22000 221XX 223XX 224XX 225XX
NEOPLASMS BENIGN & UNSPECIFIED	22600 227XX 228XX 229XX 234XX 21100 21110
NEOPLASMS BENIGN & UNSPECIFIED	21120 21130 21140 21150 21160 21180 21190
NEOPLASMS BENIGN & UNSPECIFIED	22200 22210 22230 22240 22280 22290 23000
NEOPLASMS BENIGN & UNSPECIFIED	23330 23350 23360 23370 23390 23500 23510
NEOPLASMS BENIGN & UNSPECIFIED	23620 23630 23640 23660 23670 23690 23691
NEOPLASMS BENIGN & UNSPECIFIED	23699 23700 23710 23720 23730 23740 23750
NEOPLASMS BENIGN & UNSPECIFIED	23760 23790 23880 23890 23940 23950 23960
NEOPLASMS BENIGN & UNSPECIFIED	23970 23980 23990 56900 61620 62100 62370
NEOPLASMS BENIGN & UNSPECIFIED	62460 V7110
THYROID DISORDER	240XX 241XX 242XX 243XX 244XX 245XX 246XX
THYROID DISORDER	252XX 77530 77540
DIABETES MELLITUS	250XX 35720 36200 77510
ALLERGIC DISORDERS	NO ICD9 EQUIVALENT

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
AVITAMINOSES/NUTRITIONAL DEFIC	260XX 261XX 262XX 263XX 264XX 265XX 266XX
AVITAMINOSES/NUTRITIONAL DEFIC	267XX 268XX 269XX 57900 57910 57920 57980
AVITAMINOSES/NUTRITIONAL DEFIC	57990 77930 78330
OBESITY & HYPERALIMENTATION	278XX 78310 78360
ENDOCRINE/NUTRIT/METAB DIS OTHER	251XX 253XX 254XX 255XX 256XX 257XX 258XX
ENDOCRINE/NUTRIT/METAB DIS OTHER	259XX 270XX 271XX 272XX 273XX 274XX 275XX
ENDOCRINE/NUTRIT/METAB DIS OTHER	20250 21170 27700 27701 27710 27720 27730
ENDOCRINE/NUTRIT/METAB DIS OTHER	27740 27750 27780 27790 27900 27901 27902
ENDOCRINE/NUTRIT/METAB DIS OTHER	27903 27904 27905 27906 27909 27910 27911
ENDOCRINE/NUTRIT/METAB DIS OTHER	27912 27913 27919 27920 27930 27940 27980
ENDOCRINE/NUTRIT/METAB DIS OTHER	27990 35930 58810 77560 77580 77590
ANEMIAS ALL TYPES	280XX 281XX 282XX 283XX 284XX 285XX 77400
ANEMIAS ALL TYPES	77660
OTHER DIS BLOOD/BLOOD-FORMING ORG	286XX 287XX 288XX 289XX 20710 23840 77610
OTHER DIS BLOOD/BLOOD-FORMING ORG	77640 77670 77680 78270
PSYCHOSIS	290XX 291XX 292XX 293XX 294XX 295XX 296XX
PSYCHOSIS	297XX 298XX 299XX
ALCOHOL ABUSE	303XX 30540 30550 35750 53530
DRUG ABUSE NON-ALCOHOL	77950 304XX 3050A 3050B 3050C 3050D 3050E
DRUG ABUSE NON-ALCOHOL	3050F 3050G 3050H 3050K 3050L 3050M 3050N
DRUG ABUSE NON-ALCOHOL	3051A 3051B 3051C 3051D 3051E 3051F 3051G
DRUG ABUSE NON-ALCOHOL	3051H 3051K 3051L 3051M 3051N 3052A 3052B
DRUG ABUSE NON-ALCOHOL	3052C 3052D 3052E 3052F 3052G 3052H 3052K
DRUG ABUSE NON-ALCOHOL	3052L 3052M 3052N 3053A 3053B 3053C 3053D
DRUG ABUSE NON-ALCOHOL	3053E 3053F 3053G 3053H 3053K 3053L 3053M
DRUG ABUSE NON-ALCOHOL	3053N 30500 30510 30520 30530 V9110 V9120

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
BEHAVIORAL DISORDERS OTHER	302XX 306XX 307XX 315XX 316XX 317XX 318XX
BEHAVIORAL DISORDERS OTHER	319XX V40XX V60XX V62XX V79XX 31000 31010
BEHAVIORAL DISORDERS OTHER	31080 31090 31100 34700 78050 78070 79920
BEHAVIORAL DISORDERS OTHER	79930 V1540 V6100 V6110 V6120 V6121 V6129
BEHAVIORAL DISORDERS OTHER	V6130 V6140 V6141 V6149 V6160 V6170 V6180
BEHAVIORAL DISORDERS OTHER	V6190 V6730 V7010 V7020 V7100 V7101 V7102
BEHAVIORAL DISORDERS OTHER	V7109
ENCEPH/MYELITIS/ENCEPHALOMYELITIS	32300 32310 32320 32330 32340 32350 32360
ENCEPH/MYELITIS/ENCEPHALOMYELITIS	32370 32380 32390
EPILEPSY	345XX
MIGRAINE	346XX
CONJUNCTIVA DISORDER OF	37200 37201 37202 37203 37204 37205 37210
CONJUNCTIVA DISORDER OF	37211 37212 37213 37214 37215 37220 37221
CONJUNCTIVA DISORDER OF	37222 37230 37231 37233 37239
BLEPHARITIS/HORDEOLUM	37300 37301 37302 37310 37311 37312 37313
BLEPHARITIS/HORDEOLUM	37380 37390
KERATITIS/IRITIS/CHOROIDITIS	36400 36401 36402 36403 36404 36405 36410
KERATITIS/IRITIS/CHOROIDITIS	36411 36420 36421 36422 36423 36424 36430
KERATITIS/IRITIS/CHOROIDITIS	37000 37001 37002 37003 37004 37005 37006
KERATITIS/IRITIS/CHOROIDITIS	37007 37020 37021 37022 37023 37024 37030
KERATITIS/IRITIS/CHOROIDITIS	37031 37032 37033 37034 37035 37040 37044
KERATITIS/IRITIS/CHOROIDITIS	37049 37050 37052 37054 37055 37059 37080
KERATITIS/IRITIS/CHOROIDITIS	37090
REFRACTIVE & ACCOMMODATION ERRORS	367XX 36990
OTITIS MEDIA & EXTERNA	382XX 38010 38011 38012 38013 38014 38015
OTITIS MEDIA & EXTERNA	38016 38020 38021 38022 38023 38100 38101
OTITIS MEDIA & EXTERNA	38102 38103 38104 38105 38106 38110 38119
OTITIS MEDIA & EXTERNA	38120 38129 38130 38140 38400 38401 38409
OTITIS MEDIA & EXTERNA	38410 38860 38861 38869

DESCRIPTIONICD9 CODES

EAR & MASTOID OTHER DISEASES OF	383XX	385XX	386XX	387XX	389XX	38000	38001
EAR & MASTOID OTHER DISEASES OF	38002	38020	38030	38031	38032	38039	38040
EAR & MASTOID OTHER DISEASES OF	38050	38051	38052	38053	38080	38081	38089
EAR & MASTOID OTHER DISEASES OF	38090	38150	38151	38152	38160	38161	38162
EAR & MASTOID OTHER DISEASES OF	38163	38170	38180	38181	38189	38190	38380
EAR & MASTOID OTHER DISEASES OF	38381	38389	38480	38481	38482	38490	38800
EAR & MASTOID OTHER DISEASES OF	38801	38802	38810	38811	38812	38820	38850
EAR & MASTOID OTHER DISEASES OF	38870	38871	38872	38880	38890		

EYE OTHER DISEASE OF	361XX	363XX	365XX	366XX	371XX	374XX	375XX
EYE OTHER DISEASE OF	377XX	378XX	36000	36001	36002	36003	36004
EYE OTHER DISEASE OF	36010	36011	36012	36013	36014	36019	36020
EYE OTHER DISEASE OF	36030	36040	36080	36090	36210	36211	36212
EYE OTHER DISEASE OF	36213	36214	36215	36216	36217	36218	36220
EYE OTHER DISEASE OF	36221	36229	36230	36231	36232	36233	36234
EYE OTHER DISEASE OF	36235	36236	36237	36240	36241	36242	36243
EYE OTHER DISEASE OF	36250	36251	36252	36253	36254	36255	36256
EYE OTHER DISEASE OF	36257	36260	36261	36262	36263	36264	36265
EYE OTHER DISEASE OF	36266	36270	36271	36272	36273	36274	36275
EYE OTHER DISEASE OF	36276	36277	36280	36281	36282	36283	36384
EYE OTHER DISEASE OF	36385	36389	36390	36440	36450	36460	36470
EYE OTHER DISEASE OF	36480	36490	36800	36801	36802	36803	36850
EYE OTHER DISEASE OF	36851	36852	36853	36854	36855	36859	36860
EYE OTHER DISEASE OF	36900	36901	36902	36903	36904	36905	36906
EYE OTHER DISEASE OF	36907	36908	36910	36911	36912	36913	36914
EYE OTHER DISEASE OF	36915	36916	36917	36918	36920	36921	36922
EYE OTHER DISEASE OF	36923	36924	36925	36930	36940	36960	36961
EYE OTHER DISEASE OF	36962	36963	36964	36965	36966	36967	36968
EYE OTHER DISEASE OF	36969	36970	36971	36972	36973	36974	36975
EYE OTHER DISEASE OF	36976	36980	37060	37240	37241	37242	37243
EYE OTHER DISEASE OF	37244	37245	37250	37260	37270	37280	37290
EYE OTHER DISEASE OF	37320	37340	37350	37360	37600	37601	37602
EYE OTHER DISEASE OF	37603	37604	37610	37611	37612	37613	37620
EYE OTHER DISEASE OF	37630	37640	37650	37680	37690	37900	7901
EYE OTHER DISEASE OF	37902	37903	37904	37905	37906	37907	7909
EYE OTHER DISEASE OF	37910	37920	37930	37940	37980	37990	

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
NERVOUS SYS/SENSE ORGAN DIS OTHER	320XX 321XX 322XX 324XX 325XX 326XX 330XX
NERVOUS SYS/SENSE ORGAN DIS OTHER	332XX 333XX 334XX 335XX 336XX 337XX 340XX
NERVOUS SYS/SENSE ORGAN DIS OTHER	341XX 342XX 343XX 350XX 351XX 352XX 354XX
NERVOUS SYS/SENSE ORGAN DIS OTHER	355XX 356XX 04600 04610 04630 33100 33110
NERVOUS SYS/SENSE ORGAN DIS OTHER	33130 33140 33150 33160 33170 33180 33181
NERVOUS SYS/SENSE ORGAN DIS OTHER	33189 33190 34400 34410 34420 34430 34440
NERVOUS SYS/SENSE ORGAN DIS OTHER	34450 34480 34490 34800 34810 34820 34840
NERVOUS SYS/SENSE ORGAN DIS OTHER	34880 34890 34920 34980 34981 34982 34989
NERVOUS SYS/SENSE ORGAN DIS OTHER	34990 35300 35310 35320 35330 35340 35380
NERVOUS SYS/SENSE ORGAN DIS OTHER	35390 35700 35710 35730 35740 35780 35790
NERVOUS SYS/SENSE ORGAN DIS OTHER	35880 35890 35900 35910 35920 35950 35960
NERVOUS SYS/SENSE ORGAN DIS OTHER	72430
RHEUMATIC DIS W/WOUT HEART INVOLV	390XX 391XX 392XX 398XX
HYPERTENSIVE DISEASES	401XX 402XX 403XX 404XX 405XX
ISCHEMIC HEART DISEASE ALL FORMS	410XX 411XX 412XX 413XX 414XX 42920 42960
HEMORRHOIDAL DISEASE	455XX
PHLEBITIS & THROMBOPHLEBITIS	451XX
INTRACRANIAL HEMORRH NONTRAUMATIC	430XX 431XX 432XX
CEREBROVASCULAR DISEASES OTHER	430XX 431XX 432XX 433XX 434XX 435XX 436XX
CEREBROVASCULAR DISEASES OTHER	438XX 43700 34850 43710 43720 43740 43750
CEREBROVASCULAR DISEASES OTHER	43760 43780 43790
ARTERIES/ARTERIOLES DISEASES OF	440XX 441XX 442XX 443XX 444XX 446XX 447XX
ARTERIES/ARTERIOLES DISEASES OF	41700 41710 43730 78540 99150

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
CIRCULATORY SYSTEM DISEASES OTHER	393XX 394XX 395XX 396XX 397XX 415XX 416XX
CIRCULATORY SYSTEM DISEASES OTHER	420XX 421XX 422XX 424XX 426XX 427XX 448XX
CIRCULATORY SYSTEM DISEASES OTHER	452XX 453XX 454XX 456XX 458XX 459XX 41780
CIRCULATORY SYSTEM DISEASES OTHER	41790 42300 42310 42320 42380 42390 42500
CIRCULATORY SYSTEM DISEASES OTHER	42510 42520 42540 42550 42560 42570 42580
CIRCULATORY SYSTEM DISEASES OTHER	42590 42800 42810 42900 42910 42930 42950
CIRCULATORY SYSTEM DISEASES OTHER	42980 42981 42982 42989 42990 45710 45720
CIRCULATORY SYSTEM DISEASES OTHER	45780 45790 78480 78520 78530 78590
PHARYNGITIS/NASOPHARYNG/SINUSITIS	460XX 461XX 462XX 472XX 473XX 07930
UPPER RESPIRAT INFECTIONS ACUTE	465XX
BRONCHITIS & BRONCHIOLITIS	466XX 490XX 491XX
INFLUENZA	487XX
PNEUMONIA ALL TYPES	480XX 481XX 482XX 483XX 484XX 485XX 486XX
PNEUMONIA ALL TYPES	507XX 515XX 51610 51630 51710 51720
ASTHMA	493XX
ALLERGIC RHINITIS/HAYFEVER	477XX 47880
PNEUMOTHORAX	512XX
RESPIRATORY SYSTEM DISEASES OTHER	46300 47000 471XX 474XX 47500 47600 49200
RESPIRATORY SYSTEM DISEASES OTHER	494XX 495XX 496XX 50000 50100 50200 50300
RESPIRATORY SYSTEM DISEASES OTHER	50400 50500 506XX 510XX 511XX 513XX 51400
RESPIRATORY SYSTEM DISEASES OTHER	518XX 46400 46410 46411 46420 46421 46430
RESPIRATORY SYSTEM DISEASES OTHER	46431 46440 47800 47810 47820 47821 47822
RESPIRATORY SYSTEM DISEASES OTHER	47824 47825 47826 47829 47830 47831 47832
RESPIRATORY SYSTEM DISEASES OTHER	47833 47834 47840 47850 47860 47870 47871
RESPIRATORY SYSTEM DISEASES OTHER	47874 47875 47879 47890 50880 50890 51600
RESPIRATORY SYSTEM DISEASES OTHER	51620 51680 51690 51780 518XX 51910 51920
RESPIRATORY SYSTEM DISEASES OTHER	51930 51940 51980 51990 78660 78690

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
TEETH & SUPPORT STRUCTURES DIS OF	520XX 521XX 522XX 523XX 524XX 525XX
PEPTIC ULCER GASTRIC/DUODENAL	531XX 532XX 533XX 534XX
GASTRITIS/DUODENIT/ENTERIT/COLIT GASTRITIS/DUODENIT/ENTERIT/COLIT	555XX 556XX 557XX 558XX 53500 53510 53520 53540 53550 53560
APPENDICITIS	540XX 541XX 542XX 543XX
HERNIA ABDOMINAL CAVITY ALL TYPES	550XX 551XX 552XX 553XX 75060
LIVER DISEASE & CIRRHOSIS	570XX 571XX 572XX 573XX
PANCREAS DISEASE OF	577XX 57940
DIGESTIVE SYSTEM DISEASES OTHER DIGESTIVE SYSTEM DISEASES OTHER	526XX 527XX 528XX 529XX 530XX 536XX 537XX 560XX 562XX 565XX 566XX 567XX 568XX 574XX 575XX 56400 56410 56450 56460 56470 56480 56490 56910 56920 56930 56940 56941 56942 56949 56950 56980 56981 56982 56983 56989 56990 57610 57620 57630 57640 57650 57680 57690 77740 78750 78990
URETHRITIS NON-VENereal	597XX
KIDNEY & URETER DISEASES OF KIDNEY & URETER DISEASES OF KIDNEY & URETER DISEASES OF	580XX 581XX 582XX 583XX 584XX 585XX 586XX 587XX 589XX 590XX 591XX 593XX 58800 58880 58890 59200 59210
BLADDER DISEASES OF	595XX 596XX 61900
URINARY TRACT/URETHRA DIS OTHER URINARY TRACT/URETHRA DIS OTHER	594XX 598XX 59290 59900 59910 59920 59930 59940 59950 59960 59980 59990
PROSTATE DISEASES OF	600XX 601XX 602XX 22220 23340 23650

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
REDUNDANT PREPUCE & PHIMOSIS	605XX
MALE GENITAL ORGANS OTHER DISORD	603XX 604XX 606XX 608XX 60700 60710 60720
MALE GENITAL ORGANS OTHER DISORD	60780 60781 60782 60783 60784 60789
BREAST DISEASES OF	610XX 611XX 77150
OVARY & FALLOPIAN TUBE DISEASE OF	61400 61410 61420 62000 62010 62020 62030
OVARY & FALLOPIAN TUBE DISEASE OF	62040 62050 62080 62090 62800 62820
CERVIX/CERVIX UTERI DISEASES OF	622XX 61600
UTERUS/VAGINA/VULVA DISEASES OF	615XX 617XX 61610 61611 61630 61640 61680
UTERUS/VAGINA/VULVA DISEASES OF	61690 62110 62120 62130 62140 62150 62160
UTERUS/VAGINA/VULVA DISEASES OF	62170 62180 62190 62730 62780
MENSTRUATION DISORDERS OF	62520 62530 62540 62580 62600 62610 62620
MENSTRUATION DISORDERS OF	62630 62640 62650 62660 62680 62690 62710
FEMALE GENIT ORGANS OTH DISEASES	629XX 618XX 61430 61440 61450 61460 61470
FEMALE GENIT ORGANS OTH DISEASES	61480 61490 61650 61651 61910 61920 61980
FEMALE GENIT ORGANS OTH DISEASES	61990 62060 62070 62300 62310 62320 62330
FEMALE GENIT ORGANS OTH DISEASES	62340 62350 62360 62380 62390 62400 62410
FEMALE GENIT ORGANS OTH DISEASES	62420 62430 62440 62450 62480 62490 62670
FEMALE GENIT ORGANS OTH DISEASES	62700 62720 62740 62790 62810 62830 62840
FEMALE GENIT ORGANS OTH DISEASES	62880 62890 62550
ECTOPIC PREGNANCY	633XX
ABORTION SPONTANEOUS & INDUCED	634XX 635XX 636XX 637XX 639XX 65510 65511
ABORTION SPONTANEOUS & INDUCED	65512 65514 65515 65520 65521 65522 65524
ABORTION SPONTANEOUS & INDUCED	65525 65530 65531 65532 65534 65535 65540
ABORTION SPONTANEOUS & INDUCED	65541 65542 65544 65545 65550 65551 65552
ABORTION SPONTANEOUS & INDUCED	65554 65555 65560 65561 65562 65564 65565
ABORTION SPONTANEOUS & INDUCED	65580 65581 65582 65584 65585 65590 65591
ABORTION SPONTANEOUS & INDUCED	65592 65594 65595

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
DELIVERY WITHOUT COMPLICATIONS	650XX
DELIV/ANTE/POSTPARTUM COMPLICAT	630XX 632XX 638XX 640XX 641XX 642XX 643XX
DELIV/ANTE/POSTPARTUM COMPLICAT	644XX 646XX 647XX 648XX 651XX 652XX 653XX
DELIV/ANTE/POSTPARTUM COMPLICAT	654XX 656XX 658XX 659XX 660XX 661XX 663XX
DELIV/ANTE/POSTPARTUM COMPLICAT	664XX 665XX 666XX 667XX 669XX 670XX 671XX
DELIV/ANTE/POSTPARTUM COMPLICAT	672XX 673XX 675XX 676XX 65500 65501 65502
DELIV/ANTE/POSTPARTUM COMPLICAT	65503 65504 65505 67400 67401 67402 67403
DELIV/ANTE/POSTPARTUM COMPLICAT	67404 67405 67440 67441 67442 67443 67444
DELIV/ANTE/POSTPARTUM COMPLICAT	67445 67480 67481 67482 67483 67484 67485
DELIV/ANTE/POSTPARTUM COMPLICAT	67490 67491 67492 67493 67494 67495
CARBUNCLES & FURUNCLES	680XX
CELLULITIS AND ABSCESS	681XX 682XX
PILONIDAL CYST/ABSCESS	685XX
DERMATITIS/DERMATOSIS/ECZEMA	690XX 691XX 692XX 702XX 37330 37331 37332
DERMATITIS/DERMATOSIS/ECZEMA	37334 69310 69400 69410 69420 69430 69440
DERMATITIS/DERMATOSIS/ECZEMA	69450 69460 69461 99530
NAIL DISEASES OF	703XX
SWEAT & SEBACEOUS GLANDS DIS OF	705XX 706XX
ULCER SKIN CHRONIC	707XX
OTH INFECT SKIN & SUBCUTAN TISSUE	683XX 684XX 686XX 695XX 696XX 697XX 698XX
OTH INFECT SKIN & SUBCUTAN TISSUE	700XX 704XX 708XX 709XX 20220 20221 20222
OTH INFECT SKIN & SUBCUTAN TISSUE	20223 20224 20225 20226 20227 20228 70100
OTH INFECT SKIN & SUBCUTAN TISSUE	70110 70120 70130 70140 70150 70180 70190
OTH INFECT SKIN & SUBCUTAN TISSUE	72360 72930 72939 77880 78280 69480 69490
OTH INFECT SKIN & SUBCUTAN TISSUE	37333 99510 27760

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
ARTHRITIS & RHEUMATISM	715XX 725XX 71400 71410 71420 71430 71431
ARTHRITIS & RHEUMATISM	71432 71433 71440 71480 71481 71489 71609
ARTHRITIS & RHEUMATISM	71930 71931 71932 71933 71934 71935 71936
ARTHRITIS & RHEUMATISM	71937 71938 71939 72000 72080 72081 72089
ARTHRITIS & RHEUMATISM	72090 72100 72120 72130 72150 72160 72170
ARTHRITIS & RHEUMATISM	72190 72191 72350 72600 72620 72820 72900
ARTHRITIS & RHEUMATISM	72910
ARTHROPATHIES/Joint DISORDS OTHER	711XX 712XX 713XX 34460 71490 71600 71601
ARTHROPATHIES/Joint DISORDS OTHER	71602 71603 71604 71605 71606 71610 71611
ARTHROPATHIES/Joint DISORDS OTHER	71612 71613 71614 71615 71616 71617 71618
ARTHROPATHIES/Joint DISORDS OTHER	71619 71650 71651 71652 71653 71654 71655
ARTHROPATHIES/Joint DISORDS OTHER	71656 71657 71658 71659 71661 71662 71663
ARTHROPATHIES/Joint DISORDS OTHER	71664 71665 71666 71667 71668 71669 71690
ARTHROPATHIES/Joint DISORDS OTHER	71691 71692 71693 71694 71695 71696 71697
ARTHROPATHIES/Joint DISORDS OTHER	71698 71699 71810 71811 71812 71813 71814
ARTHROPATHIES/Joint DISORDS OTHER	71815 71817 71818 71819 71820 71821 71822
ARTHROPATHIES/Joint DISORDS OTHER	71823 71824 71825 71826 71827 71828 71829
ARTHROPATHIES/Joint DISORDS OTHER	71840 71841 71842 71843 71844 71845 71846
ARTHROPATHIES/Joint DISORDS OTHER	71847 71848 71849 71850 71851 71852 71853
ARTHROPATHIES/Joint DISORDS OTHER	71854 71855 71856 71857 71858 71859 71880
ARTHROPATHIES/Joint DISORDS OTHER	71881 71882 71883 71884 71885 71886 71887
ARTHROPATHIES/Joint DISORDS OTHER	71888 71889 71900 71901 71902 71903 71904
ARTHROPATHIES/Joint DISORDS OTHER	71905 71906 71907 71908 71909 71910 71911
ARTHROPATHIES/Joint DISORDS OTHER	71912 71913 71914 71915 71916 71917 71918
ARTHROPATHIES/Joint DISORDS OTHER	71919 71950 71951 71952 71953 71954 71955
ARTHROPATHIES/Joint DISORDS OTHER	71956 71957 71958 71959 71960 71961 71962
ARTHROPATHIES/Joint DISORDS OTHER	71963 71964 71965 71966 71967 71968 71981
ARTHROPATHIES/Joint DISORDS OTHER	71982 71985 71986 71991 71992 71995 71996
ARTHROPATHIES/Joint DISORDS OTHER	72020 72120 72140 72141 72142 72280 72281
ARTHROPATHIES/Joint DISORDS OTHER	72282 72283 72289 72290 72300 72310 72320
ARTHROPATHIES/Joint DISORDS OTHER	72330 72340 72370 72380 72390 72400 72410
ARTHROPATHIES/Joint DISORDS OTHER	72420 72440 72450 72460 72470 72480 72490
ARTHROPATHIES/Joint DISORDS OTHER	72920 72931 73840
INTERNAL DERANGEMENT JOINT	717XX 71800 71801 71802 71803 71804 71805
INTERNAL DERANGEMENT JOINT	71806 71807 71808 71809 71816 71830 71831
INTERNAL DERANGEMENT JOINT	71832 71833 71834 71835 71836 71837 71838
INTERNAL DERANGEMENT JOINT	71839 71890 71891 71892 71893 71894 71895
INTERNAL DERANGEMENT JOINT	71896 71897 71898 71899
INTERVERTEBRAL DISC DISORDER	72200 72210 72211 72220 72230 72231 72232
INTERVERTEBRAL DISC DISORDER	72239 72240 72250 72251 72252 72260 72270
INTERVERTEBRAL DISC DISORDER	72271 72272 72273 72279

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
BONE & CARTILAGE DISORDERS	730XX 731XX 732XX 739XX 73300 73301 73302
BONE & CARTILAGE DISORDERS	73303 73309 73310 73320 73321 73322 73329
BONE & CARTILAGE DISORDERS	73330 73340 73341 73342 73343 73344 73349
BONE & CARTILAGE DISORDERS	73350 73370 73390 73391 73392 73399
SYNOVITIS BURSITIS TENOSYNOVITIS	71920 71921 71922 71923 71924 71925 71926
SYNOVITIS BURSITIS TENOSYNOVITIS	71927 71928 71929 72010 72610 72611 72612
SYNOVITIS BURSITIS TENOSYNOVITIS	72619 72630 72631 72632 72633 72639 72640
SYNOVITIS BURSITIS TENOSYNOVITIS	72650 72660 72661 72662 72663 72664 72665
SYNOVITIS BURSITIS TENOSYNOVITIS	72669 72680 72690 72691 72700 72701 72702
SYNOVITIS BURSITIS TENOSYNOVITIS	72703 72704 72705 72706 72709 72720 72730
SYNOVITIS BURSITIS TENOSYNOVITIS	72740 72741 72742 72743 72749 72750 72751
SYNOVITIS BURSITIS TENOSYNOVITIS	72759
MUSCULOSKELETAL/CONNECTIV DIS OTH	710XX 734XX 735XX 736XX 737XX 35350 35800
MUSCULOSKELETAL/CONNECTIV DIS OTH	35810 35980 35990 71860 71861 71862 71863
MUSCULOSKELETAL/CONNECTIV DIS OTH	71864 71865 71866 71867 71868 71869 72710
MUSCULOSKELETAL/CONNECTIV DIS OTH	72760 72761 72762 72763 72764 72765 72766
MUSCULOSKELETAL/CONNECTIV DIS OTH	72767 72768 72769 72780 72781 72782 72789
MUSCULOSKELETAL/CONNECTIV DIS OTH	72790 72800 72810 72811 72812 72813 72819
MUSCULOSKELETAL/CONNECTIV DIS OTH	72830 72840 72850 72860 72870 72871 72879
MUSCULOSKELETAL/CONNECTIV DIS OTH	72880 72881 72882 72883 72884 72885 72889
MUSCULOSKELETAL/CONNECTIV DIS OTH	72890 72940 72960 72990 73800 73810 73820
MUSCULOSKELETAL/CONNECTIV DIS OTH	73830 73850 73860 73880 73890 77520
CONGENITAL ANOMALIES	740XX 741XX 742XX 743XX 744XX 745XX 746XX
CONGENITAL ANOMALIES	747XX 748XX 749XX 751XX 752XX 753XX 754XX
CONGENITAL ANOMALIES	755XX 756XX 757XX 758XX 759XX 20260 20261
CONGENITAL ANOMALIES	20262 20263 20264 20265 20266 20267 20268
CONGENITAL ANOMALIES	23770 23850 42530 75000 75010 75011 75012
CONGENITAL ANOMALIES	75013 75015 75016 75019 75020 75021 75022
CONGENITAL ANOMALIES	75023 75024 75025 75026 75027 75029 75030
CONGENITAL ANOMALIES	75040 75050 75070 75080 75090 77860
PERINATAL MORBIDITY & MORTALITY	760XX 761XX 762XX 763XX 764XX 765XX 766XX
PERINATAL MORBIDITY & MORTALITY	767XX 768XX 769XX 772XX 773XX 77010 77020
PERINATAL MORBIDITY & MORTALITY	77030 77040 77050 77060 77070 77080 77090
PERINATAL MORBIDITY & MORTALITY	77410 77420 77430 77431 77439 77440 77450
PERINATAL MORBIDITY & MORTALITY	77460 77470 77500 77550 77600 77620 77630
PERINATAL MORBIDITY & MORTALITY	77650 77690 77710 77720 77730 77760 77780
PERINATAL MORBIDITY & MORTALITY	77790 77800 77810 77820 77830 77840 77850
PERINATAL MORBIDITY & MORTALITY	77870 77890 77920 77960 77980 77990

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
HEADACHE	78400
UREMIA	NO ICD9 EQUIVALENT
OTH SYMPTOMS/ILL-DEFINED CONDIT	276XX 788XX 798XX V16XX V17XX V18XX V19XX
OTH SYMPTOMS/ILL-DEFINED CONDIT	V41XX V47XX V48XX V49XX 33120 34830 34930
OTH SYMPTOMS/ILL-DEFINED CONDIT	35360 36810 36811 36812 36813 36814 36815
OTH SYMPTOMS/ILL-DEFINED CONDIT	36816 36820 36830 36831 36832 36833 36834
OTH SYMPTOMS/ILL-DEFINED CONDIT	36840 36841 36842 36843 36844 36845 36846
OTH SYMPTOMS/ILL-DEFINED CONDIT	36847 36880 36890 37950 38830 38840 42890
OTH SYMPTOMS/ILL-DEFINED CONDIT	57800 57810 59970 60730 62500 62510 62560
OTH SYMPTOMS/ILL-DEFINED CONDIT	62590 71940 71941 71942 71943 71944 71945
OTH SYMPTOMS/ILL-DEFINED CONDIT	71946 71947 71948 71949 71970 71071 71972
OTH SYMPTOMS/ILL-DEFINED CONDIT	71973 71974 71975 71976 71977 71978 71979
OTH SYMPTOMS/ILL-DEFINED CONDIT	72670 72671 72672 72673 72679 72950 72980
OTH SYMPTOMS/ILL-DEFINED CONDIT	72981 72982 72989 77570 77900 77910 78000
OTH SYMPTOMS/ILL-DEFINED CONDIT	78010 78020 78030 78040 78060 78080 78090
OTH SYMPTOMS/ILL-DEFINED CONDIT	78100 78110 78120 78130 78140 78150 78160
OTH SYMPTOMS/ILL-DEFINED CONDIT	78170 78190 78200 78210 78220 78230 78240
OTH SYMPTOMS/ILL-DEFINED CONDIT	78250 78260 78261 78262 78290 78300 78320
OTH SYMPTOMS/ILL-DEFINED CONDIT	78340 78390 78410 78420 78430 78440 78441
OTH SYMPTOMS/ILL-DEFINED CONDIT	78449 78450 78460 78461 78469 78470 78490
OTH SYMPTOMS/ILL-DEFINED CONDIT	78500 78510 78550 78551 78559 78560 78600
OTH SYMPTOMS/ILL-DEFINED CONDIT	78601 78602 78609 78610 78620 78630 78640
OTH SYMPTOMS/ILL-DEFINED CONDIT	78650 78651 78652 78659 78670 78680 78700
OTH SYMPTOMS/ILL-DEFINED CONDIT	78710 78720 78730 78740 78760 78770 78790
OTH SYMPTOMS/ILL-DEFINED CONDIT	78900 78910 78920 78930 78940 78950 79700
OTH SYMPTOMS/ILL-DEFINED CONDIT	79900 79910 79940 79980 79990 V6520 V7120
OTH SYMPTOMS/ILL-DEFINED CONDIT	V7130 V7140 V7150 V7160 V7170 V7180 V7190
EFFECTS REDUC TEMP/EXCESS DAMPNSS	99100 99110 99120 99130 99140 99160 99180
EFFECTS REDUC TEMP/EXCESS DAMPNSS	99190
EFFECTS HEAT/LIGHT	992XX
EFFECTS OTHER EXTERNAL CAUSES	994XX 78350 99340 99380 99390 99580

<u>DESCRIPTION</u>	<u>ICD9 CODES</u>
ADV EFFECTS MEDICINAL SUBSTANCES	960XX 961XX 962XX 963XX 965XX 966XX 967XX
ADV EFFECTS MEDICINAL SUBSTANCES	968XX 969XX 970XX 971XX 972XX 973XX 974XX
ADV EFFECTS MEDICINAL SUBSTANCES	975XX 976XX 977XX 35760 50800 50810 69300
ADV EFFECTS MEDICINAL SUBSTANCES	77940 90900 96400 96410 96420 96430 96440
ADV EFFECTS MEDICINAL SUBSTANCES	96450 96470 96480 96490 99000 99540
ADV EFFECTS INDUSTRIAL SUBSTANCES	980XX 981XX 982XX 983XX 984XX 985XX 988XX
ADV EFFECTS INDUSTRIAL SUBSTANCES	989XX 35770 35820 35940 69380 69390 90910
ADV EFFECT BAROMET PRESS CHANGES	99300 99310 99320 99330

TABLE 8. FREQUENCIES AND RATES OF PROPOSED ICD-9 BATTLE INJURY CATEGORIES;
PRIMARY DIAGNOSES AMONG U.S. MARINES IN VIETNAM

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE*</u>
MULTIPLE FRAGMENT WOUND BRAIN	656	1.3	0.00513
MULTIPLE FRAGMENT WOUND CHEST	561	1.1	0.00439
MULTIPLE FRAGMENT WOUND BACK	567	1.1	0.00444
WOUND BRAIN	429	0.8	0.00336
OPEN WOUND CHEST	519	1.0	0.00406
OPEN WOUND BACK	283	0.6	0.00221
OPEN WOUND SHOULDER/UPPER ARM	1348	2.6	0.01054
OPEN WOUND ELBOW, FOREARM, WRIST	1453	2.8	0.01137
OPEN WOUND HAND(S)/FINGERS	1291	2.5	0.01010
OPEN WOUND UPPER LIMB(S) MULTIPLE	2432	4.7	0.01902
OPEN WOUND BUTTOCKS	806	1.6	0.00630
OPEN WOUND HIP/THIGH	2661	5.1	0.02081
OPEN WOUND KNEE/LOWER LEG/ANKLE	3702	7.1	0.02896
OPEN WOUND FOOT/TOES	839	1.6	0.00656
OPEN WOUND LOWER LIMB(S) MULTIPLE	2115	4.1	0.01654
OPEN WOUNDS MULTIPLE OTHER & UNSPCD	13062	25.1	0.10217
CONTUSION SHOULDER/UPPER ARM	16	0.0	0.00013
CONTUSION ELBOW, FOREARM, WRIST	33	0.1	0.00026
CONTUSION HAND/FINGERS	18	0.0	0.00014
CONTUSION HIP, THIGH, LEG, ANKLE	116	0.2	0.00091
CONTUSION FOOT AND TOE(S)	18	0.0	0.00014
CONTUSION TRUNK	134	0.3	0.00105
AMPUTATION FOOT	134	0.3	0.00105

* RATES ARE PER 1,000 STRENGTH PER DAY.

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
AMPUTATION LEG(S)	498	1.0	0.00390
AMPUTATION TOES	39	0.1	0.00031
AMPUTATION FINGERS/THUMBS	188	0.4	0.00147
AMPUTATION ARMS/HANDS	117	0.2	0.00092
PNEUMOHEMOTHORAX	566	1.1	0.00443
INTRACRANIAL HEMORRHAGE POST INJURY	24	0.1	0.00019
CONCUSSION	676	1.3	0.00529
SPINAL CORD LESION NO BONE INJURY	29	0.1	0.00023
INJURY NERVES LOWER LEG	20	0.0	0.00016
INJURY NERVES UPPER ARM	22	0.0	0.00017
INJURY NERVES FOREARM	30	0.1	0.00023
INJURY NERVES THIGH	11	0.0	0.00009
INJURY NERVES FOOT & ANKLE	3	0.0	0.00002
INJURY NERVES WRIST/HAND	11	0.0	0.00009
INJURY NERVES CRANIAL	60	0.1	0.00047
OTHER UNSPECIFIED NERVE INJURY	24	0.1	0.00019
SUPERFICIAL WOUNDS	221	0.4	0.00173
MULTIPLE ORGAN DAMAGE	294	0.6	0.00230
WOUND LIVER	74	0.1	0.00058
WOUND KIDNEY	35	0.1	0.00027
WOUND PELVIC ORGANS	42	0.1	0.00033
WOUND SPLEEN	28	0.1	0.00022
WOUND GASTROINTESTINAL TRACT	199	0.4	0.00156
WOUND EXTERNAL GENITALIA	114	0.2	0.00089
INJURY HEART/LUNG	78	0.2	0.00061
WOUND SCALP	349	0.7	0.00273
WOUND FACE JAWS NECK	3333	6.4	0.02607
EYE WOUND	480	0.9	0.00375
OPEN WOUND EAR	634	1.2	0.00496
FOREIGN BODY EYE	57	0.1	0.00045

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
BURNS LOWER EXTREMITIES	26	0.1	0.00020
BURNS TRUNK	21	0.0	0.00016
BURNS HEAD & NECK	21	0.0	0.00016
BURN EYE	22	0.0	0.00017
BURNS UPPER EXTREMITIES	79	0.2	0.00062
BURNS MULTIPLE OTHER & UNSPCD	552	1.1	0.00432
STRAINS/SPRAINS ANKLE/FOOT	233	0.5	0.00182
STRAINS/SPRAINS SACROILIAC	17	0.0	0.00013
SPRAIN WRIST/HAND/FINGERS	18	0.0	0.00014
STRAINS/SPRAINS KNEE	126	0.2	0.00099
SPRAINS & STRAINS MULT/OTHER/UNSPCD	348	0.7	0.00272
FRACTURE HAND/WRIST/FINGERS	915	1.8	0.00716
FRACTURE TIBIA & FIBULA	1413	2.7	0.01105
FRACTURE PELVIS	144	0.3	0.00113
FRACTURE SCAPULA	130	0.3	0.00102
FRACTURE SKULL LOC < 1 HOUR	0	0.0	0.00000
FRACTURE SKULL LOC 1-24 HOURS	0	0.0	0.00000
FRACTURE SKULL LOC > 24 HOURS	0	0.0	0.00000
FRACTURE SKULL NO/UNSPECIFIED LOC	273	0.5	0.00214
FRACTURE FEMUR	874	1.7	0.00684
FRACTURE UPPER LIMB	177	0.3	0.00138
FRACTURE LOWER LIMB	238	0.5	0.00186
FRACTURE RIB/STERNUM/LARYNX/TRACHEA	160	0.3	0.00125
FRACTURE RADIUS/ULNA	884	1.7	0.00691
FRACTURE HUMERUS	696	1.3	0.00544
FRACTURE CLAVICLE	79	0.2	0.00062
FRACTURE SPINE NO CORD DAMAGE	283	0.6	0.00221
FRACTURE SPINE WITH CORD DAMAGE	21	0.0	0.00016
FRACTURE ANKLE/FOOT/TOES	771	1.5	0.00603
FRACTURE PATELLA	82	0.2	0.00064

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
FRACTURE FACE BONES	554	1.1	0.00433
FRACTURE MULTIPLE OTHER & UNSPCD	781	1.5	0.00611
DISLOCATION KNEE	162	0.3	0.00127
DISLOCATION ANKLE	4	0.0	0.00003
DISLOCATION HIP	4	0.0	0.00003
DISLOCATION SHOULDER	48	0.1	0.00038
DISLOCATION FOOT/TOES	3	0.0	0.00002
DISLOCATION HAND/WRIST	6	0.0	0.00005
DISLOCATION FINGERS	7	0.0	0.00005
DISLOCATION ELBOW	11	0.0	0.00009
DISLOCATION JAW	1	0.0	0.00001
TOXIC INHALATION	9	0.0	0.00007
TRAUMA-EARLY COMPLICATIONS	47	0.1	0.00037
TRAUMA MULTIPLE OTHER & UNSPECIFIED	255	0.5	0.00199
COMPLICATIONS MEDICAL CARE/SURGERY	15	0.0	0.00012
 TOTAL	 51,959	 100.0	 0.40644

TABLE 9. FREQUENCIES OF PROPOSED ICD-9 BATTLE INJURY CATEGORIES;
SECONDARY DIAGNOSES AMONG U.S. MARINES IN VIETNAM

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
MULTIPLE FRAGMENT WOUND BRAIN	625	1.2
MULTIPLE FRAGMENT WOUND CHEST	485	1.0
MULTIPLE FRAGMENT WOUND BACK	247	0.5
WOUND BRAIN	270	0.5
OPEN WOUND CHEST	414	0.8
OPEN WOUND BACK	212	0.4
OPEN WOUND SHOULDER/UPPER ARM	834	1.6
OPEN WOUND ELBOW, FOREARM, WRIST	1108	2.2
OPEN WOUND HAND(S)/FINGERS	1061	2.1
OPEN WOUND UPPER LIMB(S) MULTIPLE	1618	3.2
OPEN WOUND BUTTOCKS	380	0.8
OPEN WOUND HIP/THIGH	1455	2.9
OPEN WOUND KNEE/LOWER LEG/ANKLE	2228	4.4
OPEN WOUND FOOT/TOES	587	1.2
OPEN WOUND LOWER LIMB(S) MULTIPLE	2143	4.2
OPEN WOUNDS MULTIPLE OTHER & UNSPCD	10266	20.2
CONTUSION SHOULDER/UPPER ARM	13	0.0
CONTUSION ELBOW, FOREARM, WRIST	24	0.1
CONTUSION HAND/FINGERS	21	0.0
CONTUSION HIP, THIGH, LEG, ANKLE	150	0.3
CONTUSION FOOT AND TOE(S)	19	0.0
CONTUSION TRUNK	187	0.4
AMPUTATION FOOT	120	0.2
AMPUTATION LEG(S)	672	1.3
AMPUTATION TOES	127	0.3
AMPUTATION FINGERS/THUMBS	440	0.9
AMPUTATION ARMS/HANDS	152	0.3

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
PNEUMOHEMOTHORAX	792	1.6
INTRACRANIAL HEMORRHAGE POST INJURY	79	0.2
CONCUSSION	200	0.4
SPINAL CORD LESION NO BONE INJURY	199	0.4
INJURY NERVES LOWER LEG	757	1.5
INJURY NERVES UPPER ARM	482	1.0
INJURY NERVES FOREARM	1129	2.2
INJURY NERVES THIGH	200	0.4
INJURY NERVES FOOT & ANKLE	112	0.2
INJURY NERVES WRIST/HAND	416	0.8
INJURY NERVES CRANIAL	357	0.7
OTHER UNSPECIFIED NERVE INJURY	627	1.2
SUPERFICIAL WOUNDS	407	0.8
MULTIPLE ORGAN DAMAGE	865	1.7
WOUND LIVER	327	0.6
WOUND KIDNEY	132	0.3
WOUND PELVIC ORGANS	153	0.3
WOUND SPLEEN	134	0.3
WOUND GASTROINTESTINAL TRACT	621	1.2
WOUND EXTERNAL GENITALIA	229	0.5
INJURY HEART/LUNG	313	0.6
WOUND SCALP	198	0.4
WOUND FACE JAWS NECK	2356	4.6
EYE WOUND	957	1.9
OPEN WOUND EAR	956	1.9
FOREIGN BODY EYE	386	0.8
BURNS LOWER EXTREMITIES	93	0.2
BURNS TRUNK	38	0.1
BURNS HEAD & NECK	70	0.1
BURN EYE	22	0.0

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
BURNS UPPER EXTREMITIES	112	0.2
BURNS MULTIPLE OTHER & UNSPCD	431	0.9
STRAINS/SPRAINS ANKLE/FOOT	63	0.1
STRAINS/SPRAINS SACROILIAC	17	0.0
SPRAIN WRIST/HAND/FINGERS	23	0.1
STRAINS/SPRAINS KNEE	71	0.1
SPRAINS & STRAINS MULT/OTHER/UNSPCD	154	0.3
FRACTURE HAND/WRIST/FINGERS	1347	2.7
FRACTURE TIBIA & FIBULA	1283	2.5
FRACTURE PELVIS	195	0.4
FRACTURE SCAPULA	199	0.4
FRACTURE SKULL LOC < 1 HOLE	0	0.0
FRACTURE SKULL LOC 1-24 HOURS	0	0.0
FRACTURE SKULL LOC > 24 HOURS	0	0.0
FRACTURE SKULL NO/UNSPECIFIED LOC	234	0.5
FRACTURE FEMUR	726	1.4
FRACTURE UPPER LIMB	162	0.3
FRACTURE LOWER LIMB	226	0.4
FRACTURE RIB/STERNUM/LARYNX/TRACHEA	237	0.5
FRACTURE RADIUS/ULNA	827	1.6
FRACTURE HUMERUS	586	1.2
FRACTURE CLAVICLE	94	0.2
FRACTURE SPINE NO CORD DAMAGE	210	0.4
FRACTURE SPINE WITH CORD DAMAGE	48	0.1
FRACTURE ANKLE/FOOT/TOES	1017	2.0
FRACTURE PATELLA	156	0.3
FRACTURE FACE BONES	338	0.7
FRACTURE MULTIPLE OTHER & UNSPCD	461	0.9
DISLOCATION KNEE	88	0.2
DISLOCATION ANKLE	19	0.0

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
DISLOCATION HIP	12	0.0
DISLOCATION SHOULDER	37	0.1
DISLOCATION FOOT/TOES	17	0.0
DISLOCATION HAND/WRIST	26	0.1
DISLOCATION FINGERS	13	0.0
DISLOCATION ELBOW	18	0.0
DISLOCATION JAW	2	0.0
TOXIC INHALATION	3	0.0
TRAUMA-EARLY COMPLICATIONS	1139	2.2
TRAUMA MULTIPLE OTHER & UNSPECIFIED	578	1.1
COMPLICATIONS MEDICAL CARE/SURGERY	267	0.5
 TOTAL	 50901	 100.0

TABLE 10. FREQUENCIES AND RATES OF PROPOSED ICD-9 DNBI CATEGORIES;
PRIMARY DIAGNOSES AMONG U.S. MARINES IN VIETNAM

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE*</u>
FEBRILE ILLNESS EXCLUDING PNEUMONIA	13328	12.2	0.10425
FOOD POISONING BACTERIAL	44	0.0	0.00034
DIARRHEAL DISEASE/DYSENTERY	2376	2.2	0.01859
ENTERITIS SPECIFIED ORGANISM	21	0.0	0.00016
TUBERCULOSIS ALL TYPES	110	0.1	0.00086
MENINGOCOCCAL INFECTIONS	10	0.0	0.00008
HERPES SIMPLEX & HERPES ZOSTER	93	0.1	0.00073
ENCEPHALITIS	121	0.1	0.00095
HEPATITIS INFECTIOUS VIRAL	528	0.5	0.00413
ANIMAL BITES/RABIES EXPOSURE	1	0.0	0.00001
MUMPS	33	0.0	0.00026
INFECTIOUS MONONUCLEOSIS	456	0.4	0.00357
TRACHOMA	7	0.0	0.00005
STD-SYPHILIS	48	0.0	0.00038
STD-GONOCOCCAL INFECTIONS	363	0.3	0.00284
STD-OTHER VENereal DISEASES	260	0.2	0.00203
DERMATOPHYTOSIS & DERMATOMYCOSIS	1215	1.1	0.00950
HELMINTHIASIS	1755	1.6	0.01373
PEDICULOSIS	30	0.0	0.00023
SCABIES	6	0.0	0.00005
INFECTIVE & PARASITIC DISEASES OTHER	4098	3.8	0.03206
NEOPLASMS MALIGNANT	161	0.2	0.00126
NEOPLASMS BENIGN & UNSPECIFIED	1242	1.1	0.00972
THYROID DISORDER	48	0.0	0.00038

* RATES ARE PER 1,000 STRENGTH PER DAY.

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
DIABETES MELLITUS	109	0.1	0.00085
ALLERGIC DISORDERS	126	0.1	0.00099
AVITAMINOSES/NUTRITIONAL DEFICIENCIES	123	0.1	0.00096
OBESITY & HYPERALIMENTATION	34	0.0	0.00027
ENDOCRINE/NUTRIT/METABOLIC DIS OTHER	203	0.2	0.00159
ANEMIAS ALL TYPES	180	0.2	0.00141
OTHER DIS BLOOD/BLOOD-FORMING ORGANS	342	0.3	0.00268
PSYCHOSIS	579	0.5	0.00453
NEUROSIS/PERSONALITY DIS/TSD/CONDUCT	3753	3.5	0.02936
ALCOHOL ABUSE	282	0.3	0.00221
DRUG ABUSE NON-ALCOHOL	201	0.2	0.00157
BEHAVIORAL DISORDERS OTHER	1098	1.0	0.00859
ENCEPHALITIS/MYELITIS/ENCEPHALOMYELIT	74	0.1	0.00058
EPILEPSY	99	0.1	0.00077
MIGRAINE	68	0.1	0.00053
CONJUNCTIVA DISORDER OF	239	0.2	0.00187
BLEPHARITIS/HORDEOLUM	48	0.0	0.00038
KERATITIS/IRITIS/CHOROIDITIS	139	0.1	0.00109
REFRACTIVE & ACCOMMODATION ERRORS	35	0.0	0.00027
OTITIS MEDIA & EXTERNA	605	0.6	0.00473
EAR & MASTOID OTHER DISEASES OF	1053	1.0	0.00824
EYE OTHER DISEASE OF	914	0.8	0.00715
NERVOUS SYST/SENSE ORGAN DISORD OTHER	1812	1.7	0.01417
RHEUMATIC DISEASE W/WOUT HEART INVOLV	48	0.0	0.00038
HYPERTENSIVE DISEASES	322	0.3	0.00252
ISCHEMIC HEART DISEASE ALL FORMS	28	0.0	0.00022
HEMORRHOIDAL DISEASE	764	0.7	0.00598
PHLEBITIS & THROMBOPHLEBITIS	212	0.2	0.00166
INTRACRANIAL HEMORRHAGE NON-TRAUMATIC	5	0.0	0.00004
CEREBROVASCULAR DISEASES OTHER	22	0.0	0.00017

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
ARTERIES/ARTERIOLES DISEASES OF	99	0.1	0.00077
CIRCULATORY SYSTEM DISEASES OTHER	583	0.5	0.00456
PHARYNGITIS/NASOPHARYNGITIS/SINUSITIS	617	0.6	0.00483
UPPER RESPIRATORY INFECTIONS ACUTE	448	0.4	0.00350
BRONCHITIS & BRONCHIOLITIS	1019	0.9	0.00797
INFLUENZA	361	0.3	0.00282
PNEUMONIA ALL TYPES	960	0.9	0.00751
ASTHMA	348	0.3	0.00272
ALLERGIC RHINITIS/HAYFEVER	39	0.0	0.00031
PNEUMOTHORAX	86	0.1	0.00067
RESPIRATORY SYSTEM DISEASES OTHER	1498	1.4	0.01172
TEETH & SUPPORTING STRUCTURES DIS OF	255	0.2	0.00199
PEPTIC ULCER GASTRIC/DUODENAL	573	0.5	0.00448
GASTRITIS/DUODENITIS/ENTERITI/COLITIS	3332	3.1	0.02606
APPENDICITIS	956	0.9	0.00748
HERNIA ABDOMINAL CAVITY ALL TYPES	977	0.9	0.00764
LIVER DISEASE & CIRRHOSIS	248	0.2	0.00194
PANCREAS DISEASE OF	25	0.0	0.00020
DIGESTIVE SYSTEM DISEASES OTHER	785	0.7	0.00614
URETHRITIS NON-VENEREAL	159	0.2	0.00124
KIDNEY & URETER DISEASES OF	745	0.7	0.00583
BLADDER DISEASES OF	131	0.1	0.00102
URINARY TRACT/URETHRA DISEASES OTHER	343	0.3	0.00268
PROSTATE DISEASES OF	304	0.3	0.00238
REDUNDANT PREPUCE & PHIMOSIS	459	0.4	0.00359
MALE GENITAL ORGANS OTHER DISORDERS	1069	1.0	0.00836
BREAST DISEASES OF	77	0.1	0.00060
OVARY & FALLOPIAN TUBE DISEASES OF	1	0.0	0.00001
CERVIX/CERVIX UTERI DISEASES OF	0	0.0	0.00000
UTERUS/VAGINA/VULVA DISEASES OF	1	0.0	0.00001

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
MENSTRUATION DISORDERS OF	0	0.0	0.00000
FEMALE GENITAL ORGANS OTHER DISEASES	0	0.0	0.00000
ECTOPIC PREGNANCY	0	0.0	0.00000
ABORTION SPONTANEOUS & INDUCED	0	0.0	0.00000
DELIVERY WITHOUT COMPLICATIONS	2	0.0	0.00002
DELIV/ANTE/POSTPARTUM COMPLICATIONS	5	0.0	0.00004
CARBUNCLES & FURUNCLES	386	0.4	0.00302
CELLULITIS AND ABSCESS	5469	5.0	0.04278
PILONIIDAL CYST/ABSCESS	153	0.1	0.00120
DERMATITIS/DERMATOSIS/ECZEMA	549	0.5	0.00429
NAIL DISEASES OF	213	0.2	0.00167
SWEAT & SEBACEOUS GLANDS DISEASES OF	491	0.5	0.00384
ULCER SKIN CHRONIC	337	0.3	0.00264
OTHER INFECT SKIN & SUBCUTANEO TISSUE	2301	2.1	0.01800
ARTHRITIS & RHEUMATISM	258	0.2	0.00202
ARTHROPATHIES/JOINT DISORDS OTHER	1213	1.1	0.00949
INTERNAL DERANGEMENT JOINT	676	0.6	0.00529
INTERVERTEBRAL DISC DISORDER	276	0.3	0.00216
BONE & CARTILAGE DISORDERS	555	0.5	0.00434
SYNOVITIS BURSITIS TENOSYNOVITIS	582	0.5	0.00455
MUSCULOSKELETAL/CONNECTIVE DIS OTHER	797	0.7	0.00623
CONGENITAL ANOMALIES	317	0.3	0.00248
PERINATAL MORBIDITY & MORTALITY	1	0.0	0.00001
HEADACHE	307	0.3	0.00240
UREMIA	13	0.0	0.00010
OTHER SYMPTOMS/ILL-DEFINED CONDITIONS	14377	13.2	0.11246
EFFECTS REDUCED TEMP/EXCESS DAMPNESS	704	0.7	0.00551
EFFECTS HEAT/LIGHT	1567	1.4	0.01226
EFFECTS OTHER EXTERNAL CAUSES	44	0.0	0.00034
ADVERSE EFFECTS MEDICINAL SUBSTANCES	146	0.1	0.00114

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
ADVERSE EFFECTS INDUSTRIAL SUBSTANCES	168	0.2	0.00131
TOXIC EFFECT SUBSTANCES UNSPECIFIED	42	0.0	0.00033
ADV EFFECT BAROMETRIC PRESSUR CHANGES	0	0.0	0.00000
MULTIPLE FRAGMENT WOUND BRAIN	69	0.1	0.00054
MULTIPLE FRAGMENT WOUND CHEST	79	0.1	0.00062
MULTIPLE FRAGMENT WOUND BACK	37	0.0	0.00029
WOUND BRAIN	101	0.1	0.00079
OPEN WOUND CHEST	35	0.0	0.00027
OPEN WOUND BACK	32	0.0	0.00025
OPEN WOUND SHOULDER/UPPER ARM	132	0.1	0.00103
OPEN WOUND ELBOW, FOREARM, WRIST	273	0.3	0.00214
OPEN WOUND HAND(S)/FINGERS	992	0.9	0.00776
OPEN WOUND UPPER LIMB(S) MULTIPLE	196	0.2	0.00153
OPEN WOUND BUTTOCKS	66	0.1	0.00052
OPEN WOUND HIP/THIGH	345	0.3	0.00270
OPEN WOUND KNEE/LOWER LEG/ANKLE	769	0.7	0.00602
OPEN WOUND FOOT/TOES	542	0.5	0.00424
OPEN WOUND LOWER LIMB(S) MULTIPLE	161	0.2	0.00126
OPEN WOUNDS MULTIPLE OTHER & UNSPCD	859	0.8	0.00672
CONTUSION SHOULDER/UPPER ARM	34	0.0	0.00027
CONTUSION ELBOW, FOREARM, WRIST	47	0.0	0.00037
CONTUSION HAND/FINGERS	59	0.0	0.00046
CONTUSION HIP, THIGH, LEG, ANKLE	369	0.3	0.00289
CONTUSION FOOT AND TOE(S)	111	0.1	0.00087
CONTUSION TRUNK	361	0.3	0.00282
AMPUTATION FOOT	12	0.0	0.00009
AMPUTATION LEG(S)	32	0.0	0.00025
AMPUTATION TOES	24	0.0	0.00019
AMPUTATION FINGERS/THUMBS	201	0.2	0.00157
AMPUTATION ARMS/HANDS	30	0.0	0.00023

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
PNEUMOHEMOTHORAX	50	0.0	0.00039
INTRACRANIAL HEMORRHAGE POST INJURY	21	0.0	0.00016
CONCUSSION	444	0.4	0.00347
SPINAL CORD LESION NO BONE INJURY	29	0.0	0.00023
INJURY NERVES LOWER LEG	29	0.0	0.00023
INJURY NERVES UPPER ARM	35	0.0	0.00027
INJURY NERVES FOREARM	38	0.0	0.00030
INJURY NERVES THIGH	18	0.0	0.00014
INJURY NERVES FOOT & ANKLE	19	0.0	0.00015
INJURY NERVES WRIST/HAND	39	0.0	0.00031
INJURY NERVES CRANIAL	71	0.1	0.00056
OTHER UNSPECIFIED NERVE INJURY	43	0.0	0.00034
SUPERFICIAL WOUNDS	461	0.4	0.00361
MULTIPLE ORGAN DAMAGE	45	0.0	0.00035
WOUND LIVER	10	0.0	0.00008
WOUND KIDNEY	31	0.0	0.00024
WOUND PELVIC ORGANS	12	0.0	0.00009
WOUND SPLIFEN	18	0.0	0.00014
WOUND GASTROINTESTINAL TRACT	31	0.0	0.00024
WOUND EXTERNAL GENITALIA	42	0.0	0.00033
INJURY HEART/LUNG	11	0.0	0.00009
WOUND SCALP	168	0.2	0.00131
WOUND FACE JAWS NECK	388	0.4	0.00304
EYE WOUND	215	0.2	0.00168
OPEN WOUND EAR	144	0.1	0.00113
FOREIGN BODY EYE	70	0.1	0.00055
BURNS LOWER EXTREMITIES	134	0.1	0.00105
BURNS TRUNK	57	0.0	0.00045
BURNS HEAD & NECK	62	0.1	0.00048
BURN EYE	40	0.0	0.00031

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
BURNS UPPER EXTREMITIES	197	0.2	0.00154
BURNS MULTIPLE OTHER & UNSPCD	784	0.7	0.00613
STRAINS/SPRAINS ANKLE/FOOT	1100	1.0	0.00860
STRAINS/SPRAINS SACROILIAC	71	0.1	0.00056
SPRAIN WRIST/HAND/FINGERS	59	0.1	0.00046
STRAINS/SPRAINS KNEE	463	0.4	0.00362
SPRAINS & STRAINS MULT/OTHER/UNSPCD	1231	1.1	0.00963
FRACTURE HAND/WRIST/FINGERS	632	0.6	0.00494
FRACTURE TIBIA & FIBULA	510	0.5	0.00399
FRACTURE PELVIS	66	0.1	0.00052
FRACTURE SCAPULA	21	0.0	0.00016
FRACTURE SKULL LOC < 1 HOUR	0	0.0	0.00000
FRACTURE SKULL LOC 1-24 HOURS	0	0.0	0.00000
FRACTURE SKULL LOC > 24 HOURS	0	0.0	0.00000
FRACTURE SKULL NO/UNSPECIFIED LOC	122	0.1	0.00095
FRACTURE FEMUR	175	0.2	0.00137
FRACTURE UPPER LIMB	53	0.0	0.00041
FRACTURE LOWER LIMB	62	0.1	0.00048
FRACTURE RIB/STERNUM/LARYNX/TRACHEA	68	0.1	0.00053
FRACTURE RADIUS/ULNA	378	0.4	0.00296
FRACTURE HUMERUS	137	0.1	0.00107
FRACTURE CLAVICLE	90	0.1	0.00070
FRACTURE SPINE NO CORD DAMAGE	257	0.2	0.00201
FRACTURE SPINE WITH CORD DAMAGE	14	0.0	0.00011
FRACTURE ANKLE/FOOT/TOES	838	0.8	0.00656
FRACTURE PATELLA	57	0.0	0.00045
FRACTURE FACE BONES	613	0.6	0.00480
FRACTURE MULTIPLE OTHER & UNSPCD	151	0.1	0.00118
DISLOCATION KNEE	711	0.7	0.00556
DISLOCATION ANKLE	19	0.0	0.00015

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>	<u>RATE</u>
DISLOCATION HIP	16	0.0	0.00013
DISLOCATION SHOULDER	242	0.2	0.00189
DISLOCATION FOOT/TOES	17	0.0	0.00013
DISLOCATION HAND/WRIST	11	0.0	0.00009
DISLOCATION FINGERS	27	0.0	0.00021
DISLOCATION ELBOW	33	0.0	0.00026
DISLOCATION JAW	8	0.0	0.00006
TOXIC INHALATION	24	0.0	0.00019
TRAUMA-EARLY COMPLICATIONS	206	0.2	0.00161
TRAUMA MULTIPLE OTHER & UNSPECIFIED	442	0.4	0.00346
COMPLICATIONS MEDICAL CARE/SURGERY	336	0.3	0.00263
SUPPLEMENTAL CLASSIFICATION	1653	1.5	0.01293
 TOTAL	 108955	 100.0	 0.85227

TABLE 11. FREQUENCIES OF PROPOSED ICD-9 DNBI CATEGORIES; SECONDARY DIAGNOSES AMONG U.S. MARINES IN VIETNAM

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
FEVERILE ILLNESS EXCLUDING PNEUMONIA	2932	7.4
FOOD POISONING BACTERIAL	3	0.0
DIARRHEAL DISEASE/DYSENTERY	326	0.8
ENTERITIS SPECIFIED ORGANISM	2	0.0
TUBERCULOSIS ALL TYPES	24	0.1
MENINGOCOCCAL INFECTIONS	3	0.0
HERPES SIMPLEX & HERPES ZOSTER	24	0.1
ENCEPHALITIS	57	0.1
HEPATITIS INFECTIOUS VIRAL	157	0.4
ANIMAL BITES/RABIES EXPOSURE	1	0.0
MUMPS	5	0.0
INFECTIOUS MONONUCLEOSIS	109	0.3
TRACHOMA	1	0.0
STD-SYPHILIS	17	0.0
STD-GONOCOCCAL INFECTIONS	120	0.3
STD-OTHER VENEREAL DISEASES	60	0.2
DERMATOPHYTOSIS & DERMATOMYCOSIS	421	1.1
HELMINTHIASIS	1125	2.8
PEDICULOSIS	24	0.1
SCABIES	0	0.0
INFECTIVE & PARASITIC DISEASES OTHER	1003	2.5
NEOPLASMS MALIGNANT	66	0.2
NEOPLASMS BENIGN & UNSPECIFIED	149	0.4
THYROID DISORDER	18	0.1
DIABETES MELLITUS	35	0.1
ALLERGIC DISORDERS	45	0.1

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
AVITAMINOSES/NUTRITIONAL DEFICIENCIES	109	0.3
OBESITY & HYPERALIMENTATION	17	0.0
ENDOCRINE/NUTRIT/METABOLIC DIS OTHER	104	0.3
ANEMIAS ALL TYPES	523	1.3
OTHER DIS BLOOD/BLOOD-FORMING ORGANS	190	0.5
PSYCHOSIS	136	0.3
NEUROSIS/PERSONALITY DIS/TSD/CONDUCT	1205	3.0
ALCOHOL ABUSE	65	0.2
DRUG ABUSE NON-ALCOHOL	96	0.2
BEHAVIORAL DISORDERS OTHER	349	0.9
ENCEPHALITIS/MYELITIS/ENCEPHALOMYELIT	61	0.2
EPILEPSY	46	0.1
MIGRAINE	23	0.1
CONJUNCTIVA DISORDER OF	18	0.1
BLEPHARITIS/HORDEOLUM	9	0.0
KERATITIS/IRITIS/CHOROIDITIS	40	0.1
REFRACTIVE & ACCOMMODATION ERRORS	19	0.1
OTITIS MEDIA & EXTERNA	229	0.6
EAR & MASTOID OTHER DISEASES OF	269	0.7
EYE OTHER DISEASE OF	294	0.7
NERVOUS SYST/SENSE ORGAN DISORD OTHER	402	1.0
RHEUMATIC DISEASE W/WOUT HEART INVOLV	32	0.1
HYPERTENSIVE DISEASES	128	0.3
ISCHEMIC HEART DISEASE ALL FORMS	8	0.0
HEMORRHOIDAL DISEASE	100	0.3
PHLEBITIS & THROMBOPHLEBITIS	62	0.2
INTRACRANIAL HEMORRHAGE NON-TRAUMATIC	8	0.0
CEREBROVASCULAR DISEASES OTHER	11	0.0
ARTERIES/ARTERIOLES DISEASES OF	60	0.2
CIRCULATORY SYSTEM DISEASES OTHER	224	0.6

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
PHARYNGITIS/NASOPHARYNGITIS/SINUSITIS	245	0.6
UPPER RESPIRATORY INFECTIONS ACUTE	200	0.5
BRONCHITIS & BRONCHIOLITIS	522	1.3
INFLUENZA	75	0.2
PNEUMONIA ALL TYPES	391	1.0
ASTHMA	98	0.3
ALLERGIC RHINITIS/HAYFEVER	37	0.1
PNEUMOTHORAX	21	0.1
RESPIRATORY SYSTEM DISEASES OTHER	586	1.5
TEETH & SUPPORTING STRUCTURES DIS OF	147	0.4
PEPTIC ULCER GASTRIC/DUODENAL	259	0.6
GASTRITIS/DUODENITIS/ENTERITI/COLITIS	884	2.2
APPENDICITIS	109	0.3
HERNIA ABDOMINAL CAVITY ALL TYPES	173	0.4
LIVER DISEASE & CIRRHOSIS	162	0.4
PANCREAS DISEASE OF	15	0.0
DIGESTIVE SYSTEM DISEASES OTHER	436	1.1
URETHRITIS NON-VENereal	105	0.3
KIDNEY & URETER DISEASES OF	281	0.7
BLADDER DISEASES OF	80	0.2
URINARY TRACT/URETHRA DISEASES OTHER	222	0.6
PROSTATE DISEASES OF	208	0.5
REDUNDANT PREPUCE & PHIMOSIS	83	0.2
MALE GENITAL ORGANS OTHER DISORDERS	395	1.0
BREAST DISEASES OF	13	0.0
OVARY & FALLOPIAN TUBE DISEASES OF	0	0.0
CERVIX/CERVIX UTERI DISEASES OF	0	0.0
UTERUS/VAGINA/VULVA DISEASES OF	0	0.0
MENSTRUATION DISORDERS OF	1	0.0
FEMALE GENITAL ORGANS OTHER DISEASES	2	0.0

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
ECTOPIC PREGNANCY	0	0.0
ABORTION SPONTANEOUS & INDUCED	0	0.0
DELIVERY WITHOUT COMPLICATIONS	1	0.0
DELIV/ANTE/POSTPARTUM COMPLICATIONS	0	0.0
CARBUNCLES & FURUNCLES	128	0.3
CELLULITIS AND ABSCESS	948	2.4
PILONIDAL CYST/ABSCESS	34	0.1
DERMATITIS/DERMATOSIS/ECZEMA	265	0.7
NAIL DISEASES OF	50	0.1
SWEAT & SEBACEOUS GLANDS DISEASES OF	261	0.7
ULCER SKIN CHRONIC	202	0.5
OTHER INFECT SKIN & SUBCUTANEO TISSUE	1339	3.4
ARTHRITIS & RHEUMATISM	107	0.3
ARTHROPATHIES/JOINT DISORDS OTHER	702	1.8
INTERNAL DERANGEMENT JOINT	158	0.4
INTERVERTEBRAL DISC DISORDER	71	0.2
BONE & CARTILAGE DISORDERS	275	0.7
SYNOVITIS BURSITIS TENOSYNOVITIS	209	0.5
MUSCULOSKELETAL/CONNECTIVE DIS OTHER	637	1.6
CONGENITAL ANOMALIES	287	0.7
PERINATAL MORBIDITY & MORTALITY	2	0.0
HEADACHE	238	0.6
UREMIA	12	0.0
OTHER SYMPTOMS/ILL-DEFINED CONDITIONS	5235	13.2
EFFECTS REDUCED TEMP/EXCESS DAMPNESS	379	1.0
EFFECTS HEAT/LIGHT	309	0.8
EFFECTS OTHER EXTERNAL CAUSES	13	0.0
ADVERSE EFFECTS MEDICINAL SUBSTANCES	153	0.4
ADVERSE EFFECTS INDUSTRIAL SUBSTANCES	44	0.1
TOXIC EFFECT SUBSTANCES UNSPECIFIED	32	0.1

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
ADV EFFECT BAROMETRIC PRESSUR CHANGES	3	0.0
MULTIPLE FRAGMENT WOUND BRAIN	30	0.1
MULTIPLE FRAGMENT WOUND CHEST	31	0.1
MULTIPLE FRAGMENT WOUND BACK	10	0.0
WOUND BRAIN	85	0.2
OPEN WOUND CHEST	25	0.1
OPEN WOUND BACK	26	0.1
OPEN WOUND SHOULDER/UPPER ARM	48	0.1
OPEN WOUND ELBOW, FOREARM, WRIST	153	0.4
OPEN WOUND HAND(S)/FINGERS	348	0.9
OPEN WOUND UPPER LIMB(S) MULTIPLE	136	0.3
OPEN WOUND BUTTOCKS	31	0.1
OPEN WOUND HIP/THIGH	119	0.3
OPEN WOUND KNEE/LOWER LEG/ANKLE	327	0.8
OPEN WOUND FOOT/TOES	191	0.5
OPEN WOUND LOWER LIMB(S) MULTIPLE	143	0.1
OPEN WOUNDS MULTIPLE OTHER & UNSPCD	454	1.2
CONTUSION SHOULDER/UPPER ARM	22	0.1
CONTUSION ELBOW, FOREARM, WRIST	29	0.1
CONTUSION HAND/FINGERS	44	0.1
CONTUSION HIP, THIGH, LEG, ANKLE	229	0.6
CONTUSION FOOT AND TOE(S)	53	0.1
CONTUSION TRUNK	157	0.4
AMPUTATION FOOT	8	0.0
AMPUTATION LEG(S)	31	0.1
AMPUTATION TOES	22	0.1
AMPUTATION FINGERS/THUMBS	85	0.2
AMPUTATION ARMS/HANDS	22	0.1
PNEUMOHEMOTHORAX	49	0.1
INTRACRANIAL HEMORRHAGE POST INJURY	21	0.1

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
CONCUSSION	211	0.5
SPINAL CORD LESION NO BONE INJURY	34	0.1
INJURY NERVES LOWER LEG	54	0.1
INJURY NERVES UPPER ARM	33	0.1
INJURY NERVES FOREARM	68	0.2
INJURY NERVES THIGH	17	0.0
INJURY NERVES FOOT & ANKLE	16	0.0
INJURY NERVES WRIST/HAND	64	0.2
INJURY NERVES CRANIAL	66	0.2
OTHER UNSPECIFIED NERVE INJURY	75	0.2
SUPERFICIAL WOUNDS	306	0.8
MULTIPLE ORGAN DAMAGE	66	0.2
WOUND LIVER	21	0.0
WOUND KIDNEY	32	0.1
WOUND PELVIC ORGANS	14	0.0
WOUND SPLEEN	14	0.0
WOUND GASTROINTESTINAL TRACT	38	0.1
WOUND EXTERNAL GENITALIA	20	0.0
INJURY HEART/LUNG	21	0.0
WOUND SCALP	63	0.2
WOUND FACE JAWS NECK	298	0.8
EYE WOUND	153	0.4
OPEN WOUND EAR	143	0.4
FOREIGN BODY EYE	57	0.1
BURNS LOWER EXTREMITIES	54	0.1
BURNS TRUNK	20	0.1
BURNS HEAD & NECK	21	0.1
BURN EYE	16	0.0
BURNS UPPER EXTREMITIES	68	0.2
BURNS MULTIPLE OTHER & UNSPCD	224	0.6

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
STRAINS/SPRAINS ANKLE/FOOT	211	0.5
STRAINS/SPRAINS SACROILIAC	47	0.1
SPRAIN WRIST/HAND/FINGERS	29	0.1
STRAINS/SPRAINS KNEE	224	0.6
SPRAINS & STRAINS MULT/OTHER/UNSPCD	431	1.1
FRACTURE HAND/WRIST/FINGERS	214	0.5
FRACTURE TIBIA & FIBULA	158	0.4
FRACTURE PELVIS	49	0.1
FRACTURE SCAPULA	14	0.0
FRACTURE SKULL LOC < 1 HOUR	0	0.0
FRACTURE SKULL LOC 1-24 HOURS	0	0.0
FRACTURE SKULL LOC > 24 HOURS	0	0.0
FRACTURE SKULL NO/UNSPECIFIED LOC	44	0.1
FRACTURE FEMUR	49	0.1
FRACTURE UPPER LIMB	17	0.0
FRACTURE LOWER LIMB	30	0.1
FRACTURE RIB/STERNUM/LARYNX/TRACHEA	33	0.1
FRACTURE RADIUS/ULNA	120	0.3
FRACTURE HUMERUS	46	0.1
FRACTURE CLAVICLE	31	0.1
FRACTURE SPINE NO CORD DAMAGE	85	0.2
FRACTURE SPINE WITH CORD DAMAGE	15	0.0
FRACTURE ANKLE/FOOT/TOES	315	0.8
FRACTURE PATELLA	34	0.1
FRACTURE FACE BONES	88	0.2
FRACTURE MULTIPLE OTHER & UNSPCD	55	0.1
DISLOCATION KNEE	289	0.7
DISLOCATION ANKLE	24	0.1
DISLOCATION HIP	14	0.0
DISLOCATION SHOULDER	43	0.1

<u>DESCRIPTION</u>	<u>FREQUENCY</u>	<u>PERCENT</u>
DISLOCATION FOOT/TOES	7	0.0
DISLOCATION HAND/WRIST	21	0.1
DISLOCATION FINGERS	16	0.0
DISLOCATION ELBOW	22	0.1
DISLOCATION JAW	2	0.0
TOXIC INHALATION	6	0.0
TRAUMA-EARLY COMPLICATIONS	130	0.3
TRAUMA MULTIPLE OTHER & UNSPECIFIED	372	0.9
COMPLICATIONS MEDICAL CARE/SURGERY	306	0.8
SUPPLEMENTAL CLASSIFICATION	1384	3.5
 TOTAL	 39,599	 100.0

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